


Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.3 | SDS Revision Date: 11/28/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance 1-Step
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: 1-Step, Pink, Pink 1-Step, Natural Pink 1-Step
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer	82339-16-0	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylpropane trimethacrylate	3290-92-4	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Benzophenone	116-61-9	NA	204-337-6	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
	Aquatic chronic 2; Aquatic acute 1; H411, H400													
bis-trimethylbenzoyl phenyl phosphine	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Skin Sens. 1; Aquatic Chronic 4; H317, H413													
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>											
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1												
FLAMMABILITY	0												
PHYSICAL HAZARDS	0												
PROTECTIVE EQUIPMENT	B												
EYES SKIN													

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 65,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.



13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered persuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sounsult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
CDR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritant	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritant	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 10/4/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE Acetone
1.2	Chemical Name: Acetone
1.3	Synonyms: NA
1.4	Trade Names: none
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! H225 - Highly Flammable, H319 - Causes serious eye irritation, H336 - May cause drowsiness or dizziness, P210 - Keep away from heat, hot surfaces, open flames, sparks - No Smoking, P233 - Keep container tightly closed, P240 - Ground/bond container and receiving equipment, P241 - Use Explosion-proof electrical, lighting, ventilating equipment, P242 - Use only non-sparking tools, P243 - Take precautionary measures against static discharge, P261 - Avoid breathing mist, spray or vapors, P264 - Wash exposed skin thoroughly after handling, P271 - Was only outdoors or in a well-ventilated area, P280 - Wear eye protection, face protection, protective clothing, protective gloves, P303 + P361 + P353 - If on skin or hair: remove/take-off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 - If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing, P305+P351+P338 - If in eyes" Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P312 - Call poison center or doctor/physician if you feel unwell. P337+P313 - If eye irritation persists, get immediate medical attention, P370+P378 - In case of fire: use dry chemical powder, alcohol resistant foam, carbon dioxide (CO2) to extinguish, P403+P223 - Store in a well ventilated place. Keep tightly closed, P405 - Sto locked up, P501 - Dispose of contents/container to comply with local, state and federal regulations, P235 - Keep cool.</p>	
2.2	Inhalation: YES Absorption: YES Ingestion: YES	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
ACETONE	67-64-1	AL3150000	200-662-2	98-100	500	750	250	1000	NF	1000	NA	2500	

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>
4.2	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)

5. FIREFIGHTING MEASURES

3 of 8

5.1	Flashpoint & Method: 12 °C (54 °F) calculated
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

4 of 8

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.79 g/ml	
9.2	Boiling Point:	82 °C	
9.3	Melting Point:	ND	
9.4	Evaporation Rate:	2.83 (n-butyl acetate = 1.0)	
9.5	Vapor Pressure:	44 @ 25 °C	
9.6	Appearance & Color:	Clear liquid	
9.7	Odor Threshold:	NE	
9.8	Solubility:	soluble in water	
9.9	pH:	NA	
9.1	Viscosity:	approximately 5 cps	
9.1	Flash Point:	12 °C (54 °F) calculated	
9.1	Other Information:	NA	

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.	
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).	
10	Hazardous Polymerization:	Will not occur.	
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.	
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.	

11. TOXICOLOGICAL INFORMATION

5 of 8

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION


12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IMDG (OCN): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 1.0 L) UN1170, ETHANOL SOLUTION, 3, II, LTD QTY (IP VOL > 1.0 L)	
15	ADR/RID (EU): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	MEXICO (SCT): UN1193 LIQUIDO INFLAMABLES, N.E.P. (ISOPROPANOL, ACETONA), 3, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L)	
15	ADGR (AUS): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): BUTYL ACETATE: 5,0000 lbs (2,270 kg)	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Butyl Acetate is listed on the following state criteria list(s): Delaware Air Quality Management List (DE), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposure Limits for Air Contaminants (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), new York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Butyl Acetate: Flammable (F). Harmful (Xi). Risk Phrases (R): 11-36/37/38 - Highly Flammable. Irritating to eyes, skin and respiratory system. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnellLabs
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnellLabs

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

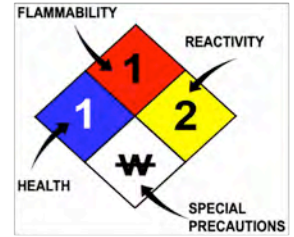
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₅₀ or TC, TC₀₁, LC₁₀, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL₀₁	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision: 4.2 SDS Revision Date: 3/4/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE AirBond
1.2	Chemical Name: BONDING RESIN
1.3	Synonyms: NA
1.4	Trade Names: none
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H224 - Extremely flammable liquid and vapor. H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDf).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs:	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Ethyl Acetate	141-86-4	AH5425000	205-500-4	60-100	400	400	200	400	NF	NA	NA	####	400 TWA	
Flamm.Lig.2; Eye Irrit. 2; STOT SE 3, H224, H319, H336														
Isopropyl dienediphenyl Bisoxhydroxypropyl Methacrylate	2530-85-0	UC230000	219-785-8	5-10	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>											
4.2	Medical Conditions Aggravated by Exposure:	<p>Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	3	PHYSICAL HAZARDS	1	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1												
FLAMMABILITY	3												
PHYSICAL HAZARDS	1												
PROTECTIVE EQUIPMENT	B												
EYES SKIN													

5. FIREFIGHTING MEASURES

4 of 9

5.1	Flashpoint & Method: - 20 °C (-4 °F) calculated
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is slightly flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

5 of 9

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.9
9.2	Boiling Point:	57 °C (134 °F)
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	30.6 kPa @ 25°C
9.6	Appearance & Color:	Clear liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 300 cps
9.11	Flash Point:	- 20 °C (-4 °F) calculated
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	Relatively stable under ambient conditions when stored properly.
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
10.5	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

6 of 9

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION


12.1	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12.2	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12.3	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13.1	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13.2	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.







14.1	49 CFR (GRD): ID8000 CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14.2	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14.3	IMDG (OCN): UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTEE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 5.0 L) UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14.5	ADR/RID (EU): UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14.6	MEXICO (SCT): UN1173, ETHYL ACETATE SOLUCIÓN, 3, II, CANTIDAD LIMITADA (IP VOL ≤ 0.5 L)	
14.7	ADGR (AUS): UN1173, ETHYL ACETATE SOLUTION, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA	
15.2	SARA Threshold Planning Quantity: NA	
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15.4	CERCLA Reportable Quantity (RQ): ETHYL ACETATE: 5,0000 lbs (2,270 kg)	
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
15.7	State Regulatory Information: Ethyl Acetate is listed on the following state criteria list(s): Delaware Air Quality Management List (DE), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposure Limits for Air Contaminants (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Ethyl Acetate: Flammable (F). Harmful (Xi). Risk Phrases (R): 11-36/37/38 - Highly Flammable. Irritating to eyes, skin and respiratory system. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

8 of 9

16.1	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.		
16.2	Terms & Definitions: Please see last page of this SDS.		
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.		
16.4	<table border="0"><tr><td data-bbox="120 588 609 787">Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com</td><td data-bbox="617 588 1559 787"></td></tr></table>	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com	
Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com			
16.5	<table border="0"><tr><td data-bbox="120 798 609 989">Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com</td><td data-bbox="617 798 1559 989"></td></tr></table>	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com	
Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lightelligence.com			

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

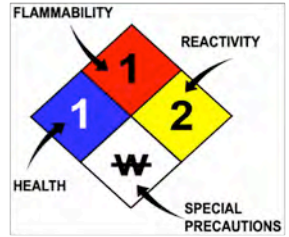
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful


CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE Apex Acrylic Liquid
1.2	Chemical Name: Ethyl Methacrylate Solution
1.3	Synonyms: NA
1.4	Trade Names: Apex Liquid
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification:</p> <p>This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). Flammable Liquid, Skin Corrosion/Irritation, Skin Sensitizer, Carcenogenicity, Specific Target Organ Toxicity - Single Exposure . AVOID SKIN CONTACT DUE TO IRRITATION AND CHEMICAL BURN POTENTIAL. MAY CAUSE EYE IRRITATION OR DAMAGE. Hazard Statements (H): H225 - Highly flammable liquid and vapor, H315 - Causes skin irritation, H317 - May cause an allergic skin reaction, H319 - Causes serious eye irritation, H351 - Suspected of causing cancer. Precautionary Statements (P): P201 - Obtain special instructions before use, P202 - Do not handle until all safety precautions have been read and understood, P210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking, P233 - Keep container tightly closed, P-240 - Ground and bond container and receiving equipment, P241 - Use only non-sparking tools, P243 - Take precautionary measures against static discharge, P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray, P264 - Wash hands and exposed skin thoroughly after handling, P271 Use only outdoors or in well ventilated area, P272 - Contaminated work clothing should not be allowed out of the work place, P280 - Wear protective gloves, protective clothing, eye protection, face protection, P281 - Use personal protective equipment as required, P312 - Call a POISON CENTER or doctor/physician if you feel unwell, P321 - Specific treatment (see Section 4 in this document), P362 - Take off contaminated clothing and wash before reuse, P363 - Wash contaminated clothing before reuse, P302 & P352 - IF ON SKIN: Wash with soap and water, P303, P361 & P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower, P304 & P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, IF IN EYES: Rinse continually with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing, P308 & P313 - Get medical advise/attention, P370 & P378 - In case of fire: Use CO2 for extinguishing. P405 - Store locked-up. P403 & P223 - Store in a well ventilated area.</p>	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat and digestive EYES & SKIN: Can cause permanent eye injury. Symptoms include stinging, tearing, redness and swelling of the eyes. Can injure the cornea and cause blindness. Can cause permanent skin damage. Symptoms may include redness, burning and swelling of the skin, burns and other skin damage. INHALATION: Vapors of this material may be irritating to the nasal passage and lungs and in severe cases cause burning of the tissue.	
2.4	Symptoms of Overexposure: Symptoms of overexposure are irritation of the tissue, nausea, dizziness, and shortness of breath, swelling of the eyes and skin.	

2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. LD50: 1650 mg/kg Species: Rat
2.6	Chronic Health Effects: None
2.7	Target Organs: Eyes, skin, lungs and respiratory tract

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%										
Ethyl Methacrylate	97-63-2	NA	202-597-5	70-80										
	Skin Corrosion/Irritation 2 (H315), Eye Damage/Irritation 2A (H319), Skin Sensitizer 1 (H317), Specific Target Organ, Toxicity - Single Exposure 3 (H335)													
Hydroxypropyl Methacrylate	27813-02-1	NA	248-666-3	5-10										
	Eye Damage/Irritation 2A (H319), Skin Sensitizer 1 (H317)													
Glyceryl Dimethacrylate	1830-78-0	NA	217-338-4	5-10										
	Skin Corrosion/Irritation 2 (H315), Eye Damage/Irritation 2A (H319), Skin Sensitizer 1 (H317), Specific Target Organ, Toxicity - Single Exposure 3 (H335)													
Triethyleneglycol Dimethacrylate	109-16-0	NA	203-652-6	1-5										
	Skin Sensitizer 1 (H317)													
Dimethyltolylamine	99-97-8	NA	202-805-4	0-1										
	Oral Toxicity Acute Tox. 3 (H301), Dermal Toxicity Acute Tox 3 (H311), Inhalation Toxicity Acute Tox. 3 (H331), Carcenogenicity 2 (H351), Specific Target Organ, Toxicity - Repeated, Exposure 2 (H373), Aquatic Toxicity C3 (H412)													
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid: INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately. INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)
4.3	Notes to Physician: This product contains N,N-Dimethyl-p-toluidine at a very low concentration and does not meet the criteria for reporting in section 3.
	Target Organs: EYES SKIN LUNGS

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: 19 °C (66 °F) Closed Cup
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and NOx)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Remove spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</p>
-----	---------	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:	<p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	Storage & Handling:	<p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	Special Precautions:	<p>Do not store where temperatures can exceed 50 °C (122 °F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.17
9.2	Boiling Point:	117 C
9.3	Melting Point:	NA
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear to violet liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 25 cps
9.1	Flash Point:	19 °C (66 °F) calculated
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability: Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products: If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization: May occur.
10	Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances: Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: 99-97-8: Dimethyltolylamine Oral: 1650 mg/kg (Rat), Dermal: 500 mg/kg (Rat), Inhalation: 1400 mg/m ³ (Rat) - conducted by the manufacturer of Dimethyltolylamine
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists. Dimethyltolylamine is a suspected
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly evaporate from soil. Components of this product will slowly decompose into organic compounds. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) Passenger Aircraft: UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L) Cargo Aircraft: UN1760, Corrosive Liquids N.O.S., 8, II, (IP VOL ≤ 30.0 L)	
14	IMDG (OCN): UN1760, Corrosive Liquids N.O.S., 8, II, (IP VOL ≤ 10.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 1.0 L) UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	ADR/RID (EU): UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	MEXICO (SCT): UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	ADGR (AUS): UN2277, Ethyl Methacrylate, Stabilized, Solution, 8, II, LTD QTY (IP VOL ≤ 1.0 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA		
15	SARA Threshold Planning Quantity: NA		
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt		
15	CERCLA Reportable Quantity (RQ): NA		
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).		
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.		
16	State Regulatory Information: No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)		
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononent of this product is listed in Annex 1 of EU Directive 67/548/EEC. 99-97-8 Dimethyltolylamine: 0.1 - 1.0% Carcinogen Risk Phrases (R): See section 2.1		

16. OTHER INFORMATION

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
Please see last page of this SDS.

16 Disclaimer:
This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



17 Prepared by:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

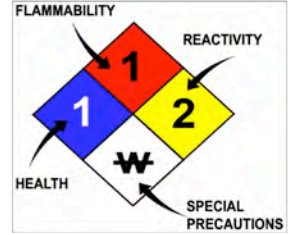
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀₁ or TC, TC ₀₁ , LC ₁₀ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Acrylate Copolymers	NA	NA	NA	90-99	NA	NA	NF	NF	NF	NA	NA	NA		
Benzoyl Peroxide	94-36-0	NA	202-327-6	0-1	NA	NA	NA	NF	NF	NA	NA	NE		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.														

4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure:</p> <p>Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </tbody> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g. sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented fluidized powder
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.



13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered persuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sounsult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

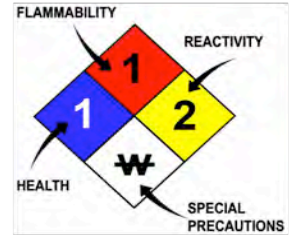
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards	SDS Revision: 3.5	SDS Revision Date: 11/02/2018
--	-------------------	-------------------------------

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE BUILDER
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: BUILDER, PINK BUILDER, SOFT PINK BUILDER, BABY PINK BUILDER, COSMETIC PINK BUILDER, FRENCH TIP, NATURAL TIP, COMPETITION WHITE, IDEAL PINK BUILDER, IDEAL WHITE BUILDER
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-Hydroxyethyl Methacrylate Poly(neopentyl Glycol Adipate)/ IPDI Copolymer Dilution	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylpropane trimethacrylate	3290-92-4	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Silica	67762-90-7	NA	204-337-6	1-8	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Benzophenone	116-61-9	NA	204-337-6	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl diphenylphosphine oxide	75980-60-8	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	NA	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>											
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td style="background-color: #000000; color: white;">EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN		
HEALTH	1												
FLAMMABILITY	0												
PHYSICAL HAZARDS	0												
PROTECTIVE EQUIPMENT	B												
EYES SKIN													

5. FIREFIGHTING MEASURES

3 of 7

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented viscous liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.11	Viscosity:	approximately 1,500,000 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	Relatively stable under ambient conditions when stored properly.
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
10.5	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

5 of 7

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12.2	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12.3	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (SCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA	
15.2	SARA Threshold Planning Quantity: NA	
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15.4	CERCLA Reportable Quantity (RQ): NA	
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
15.7	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).	
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16.1	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16.2	Terms & Definitions: Please see last page of this SDS.	
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other governement regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16.4	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
16.5	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

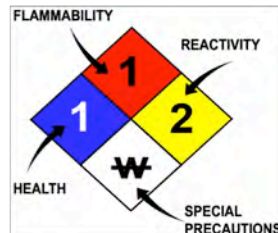
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₂ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₂	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.13 | 5/30/18

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE ButterCream Color Gels
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: ButterCream Color Gel
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - if eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly (1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	30-50	NA	NA	NA	NA	NF	NA	NA	NA		
Bis-HEMA Poly (Neopentyl Glycol Adipate) / IPDI Copolymer Dilution	NA	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA		
PEG-4 Dimethacrylate	25852-47-5	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA		
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA		
Isobornyl methacrylate	7534-94-3	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA		
1-hydroxycyclohexyl phenylketone	947-19-3	NA	278-355-8	0-5	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Silica	60676-86-0	NA	310-060-2	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77002 (Yellow 10)	21645-51-2	GL8510000	215-573-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77007 (Ultramarine Blue)	57455-37-5	BQ4725000	215-111-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 45410 (Red 28)	18472-87-2	NA	241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Black Iron Oxide)	52357-70-7	NA	257-870-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
MICA	12001-26-2	ZF6680000	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 19140 (Yellow 5)	12225-21-7	NA	235-428-9	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 45410 (Red 48)	18472-87-2	NA	242-355-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Iron Oxide)	12227-89-3	NA	235-442-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxide)	1309-37-1	NA	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
Polybutylene Terephthalate	26062-94-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
	Eye Irritant 2; H319													
Polyethylene Terephthalate	25038-59-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI15880 (Red 63)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 19140 (Yellow 23 Al Lake)	12225-21-7	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 57)	5281-04-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77510 (Prussian Blue)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15880 (Red 34)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

CI 15850 (Red 7)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	15792-67-3	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Blue 27)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77266 (Carbon Black)	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Acrylates Copolymer	25035-69-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

Bis(glycidoxyphenyl)propylene/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 145410 / CI 145380 /	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Aluminum hydroxide / CI 145410 / CI 145380 /	8004-92-0		NA										
	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
Polyurethane-33	125826-44-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	7429-90-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	7429-90-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	Medical Conditions Aggravated by Exposure:	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods:	Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of</p>
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	<p>Storage & Handling:</p> <p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	<p>Special Precautions:</p> <p>Do not store where temperatures can exceed 50 °C (122 F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]) wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 100,000 cps
9.1	Flash Point:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	

If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).

10 Hazardous Polymerization:

Will not occur.

10 Conditions to Avoid:

Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.

11 Incompatible Substances:

Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11 Toxicity Data:

This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.

11 Acute Toxicity:

See Section 2.5

11 Chronic Toxicity:

See Section 2.6

11 Suspected Carcinogen:

The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the National Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.

12 Reproductive Toxicity:

This product is not reported to cause reproductive toxicity in humans.

Mutagenicity:

This product is not reported to produce mutagenic effects in humans.

Embryotoxicity:

This product is not reported to produce embryotoxic effects in humans.

Teratogenicity:

This product is not reported to cause teratogenic effects in humans.

12 Irritancy of Product:

See Section 2.3

12 Biological Exposure Indices:

NE

12 Physician Recommendations:

Treat symptomatically

12. ECOLOGICAL INFORMATION

12 Environmental Stability:

This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.

12 Effects on Plants & Animals:

There is no specific data available for this product on plant life.

12 Effects on Aquatic Life:

There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS

13 Waste Disposal:

Dispose in accordance with local, state and Federal waste laws.

13 Special Considerations:



This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED	
14	IATA (AIR): NOT REGULATED	
14	IMDG (OCN): NOT REGULATED	
14	TDGR (Canadian GND): NOT REGULATED	
15	ADR/RID (EU): NOT REGULATED	
15	MEXICO (SCT): NOT REGULATED	
15	ADGR (AUS): NOT REGULATED	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnellLabs
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnellLabs

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

<table border="1"> <tr><td>A</td><td></td></tr> <tr><td>B</td><td> </td></tr> <tr><td>C</td><td> </td></tr> <tr><td>D</td><td> </td></tr> <tr><td>E</td><td> </td></tr> <tr><td>F</td><td> </td></tr> </table>	A		B		C		D		E		F		<table border="1"> <tr><td>G</td><td> </td></tr> <tr><td>H</td><td> </td></tr> <tr><td>I</td><td> </td></tr> <tr><td>J</td><td> </td></tr> <tr><td>K</td><td> </td></tr> <tr><td>X</td><td>Consult your supervisor or SOPs for special handling directions.</td></tr> </table>	G		H		I		J		K		X	Consult your supervisor or SOPs for special handling directions.
A																									
B																									
C																									
D																									
E																									
F																									
G																									
H																									
I																									
J																									
K																									
X	Consult your supervisor or SOPs for special handling directions.																								

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
ISOPROPANOL	67-63-0	NT8050000	200-661-7	60-100	400	500	400	500	NF	400	NA	####	NIOSH
Flamm.Lig.2; Eye Irrit. 2; STOT SE 3, H225, H319, H336													
ACETONE	67-64-1	AL3150000	200-662-2	3-10	500	750	250	####	NF	####	NA	####	

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	2	FLAMMABILITY	3	PHYSICAL HAZARDS	1	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	2											
FLAMMABILITY	3											
PHYSICAL HAZARDS	1											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												

5. FIREFIGHTING MEASURES

3 of 8

5.1	Flashpoint & Method: 12 °C (54 °F) calculated
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is slightly flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

4 of 8

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.79 g/ml
9.2	Boiling Point:	82 °C
9.3	Melting Point:	ND
9.4	Evaporation Rate:	2.83 (n-butyl acetate = 1.0)
9.5	Vapor Pressure:	44 @ 25 °C
9.6	Appearance & Color:	Clear liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	soluble in water
9.9	pH:	NA
9.1	Viscosity:	approximately 5 cps
9.1	Flash Point:	12 °C (54 °F) calculated
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

5 of 8

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.


13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

6 of 8

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE). 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE). 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IMDG (OCN): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE). 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTEE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 1.0 L) UN1170, ETHANOL SOLUTION, 3, II, LTD QTY (IP VOL > 1.0 L)	
15	ADR/RID (EU): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE). 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	MEXICO (SCT): UN1193 LIQUIDO INFLAMABLES, N.E.P. (ISOPROPANOL, ACETONA), 3, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L)	
15	ADGR (AUS): UN1993, FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL, ACETONE). 3, II, LTD QTY (IP VOL ≤ 1.0 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): Isopropanol: 5,0000 lbs (2,270 kg)	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), new Yord Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Isopropanol: Flammable (F). Harmful (Xi). Risk Phrases (R): 11-36/37/38 - Highly Flammable. Irritating to eyes, skin and respiratory system. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
 Please see last page of this SDS.

16 Disclaimer:
 This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
 McConnell Labs, Inc.
 406 SW Umatilla Ave
 Redmond, OR 97756 USA
 Tel: +1 541 526 1417
 Fax: +1 541 526 1418
<http://www.lighttelescope.com>



17 Prepared by:
 McConnell Labs, Inc.
 406 SW Umatilla Ave
 Redmond, OR 97756 USA
 Tel: +1 541 526 1417
 Fax: +1 541 526 1418
<http://www.lighttelescope.com>



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

<table border="1"> <tr><td>A</td><td></td></tr> <tr><td>B</td><td> </td></tr> <tr><td>C</td><td> </td></tr> <tr><td>D</td><td> </td></tr> <tr><td>E</td><td> </td></tr> <tr><td>F</td><td> </td></tr> </table>	A		B		C		D		E		F		<table border="1"> <tr><td>G</td><td> </td></tr> <tr><td>H</td><td> </td></tr> <tr><td>I</td><td> </td></tr> <tr><td>J</td><td> </td></tr> <tr><td>K</td><td> </td></tr> <tr><td>X</td><td>Consult your supervisor or SOPs for special handling directions.</td></tr> </table>	G		H		I		J		K		X	Consult your supervisor or SOPs for special handling directions.
A																									
B																									
C																									
D																									
E																									
F																									
G																									
H																									
I																									
J																									
K																									
X	Consult your supervisor or SOPs for special handling directions.																								

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

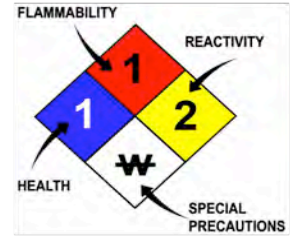
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₅₀ or TC, TC₀₁, LC₁₀, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.13 | SDS Revision Date: 06/11/19

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE COLOR GELS & LIGHT ELEGANCE GLITTER GELS
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: Light Elegance Color Gels, Light Elegance Glitter Gels, Light Elegance Gel Paints, etc.
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - if eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Bis-HEA Poly (1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	30-50	NA	NA	NA	NA	NF	NA	NA	NA	
Bis-HEMA Poly (Neopentyl Glycol Adipate) / IPDI Copolymer Dilution	NA	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA	
PEG-4 Dimethacrylate	25852-47-5	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA	
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA	
Tripropyleneglycol Diacrylate	42978-66-5	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA	
1-hydroxycyclohexyl phenylketone	947-19-3	NA	278-355-8	0-5	NA	NA	NF	NF	NF	NA	NA	NA	
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Silica	60676-86-0	NA	310-060-2	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
MAY ALSO CONTAIN:													
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77002 (Yellow 10)	21645-51-2	GL8510000	215-573-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77007 (Ultramarine Blue)	57455-37-5	BQ4725000	215-111-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (Red 28)	18472-87-2	NA	241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (Black Iron Oxide)	52357-70-7	NA	257-870-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
MICA	12001-26-2	ZF6680000	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (Yellow 5)	12225-21-7	NA	235-428-9	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (Red 48)	18472-87-2	NA	242-355-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (Iron Oxide)	12227-89-3	NA	235-442-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77491 (Iron Oxide)	1309-37-1	NA	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polybutylene Terephthalate	26062-94-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irritant 2; H319												
Polyethylene Terephthalate	25038-59-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15880 (Red 63)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (Yellow 23 Al Lake)	12225-21-7	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 57)	5281-04-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Prussian Blue)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

CI 15880 (Red 34)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 7)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	15792-67-3	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Blue 27)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77266 (Carbon Black)	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Acrylates Copolymer	25035-69-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380 / CI 47005	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Polyurethane-33	125826-44-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	7429-90-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid: INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately. INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)										
	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical

5.6	<p>Fire Fighting Procedures:</p> <p>First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.</p>
-----	---



6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of</p>
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	<p>Storage & Handling:</p> <p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	<p>Special Precautions:</p> <p>Do not store where temperatures can exceed 50 °C (122 °F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g. sink safety shower eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 4,000 cps
9.1	Flash Point:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

5 of 7

10	Stability: Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products: If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization: Will not occur.
10	Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances: Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.



14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED

14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

<table border="1"> <tr><td>A</td><td></td></tr> <tr><td>B</td><td></td></tr> <tr><td>C</td><td></td></tr> <tr><td>D</td><td></td></tr> <tr><td>E</td><td></td></tr> <tr><td>F</td><td></td></tr> </table>	A		B		C		D		E		F		<table border="1"> <tr><td>G</td><td></td></tr> <tr><td>H</td><td></td></tr> <tr><td>I</td><td></td></tr> <tr><td>J</td><td></td></tr> <tr><td>K</td><td></td></tr> <tr><td>X</td><td>Consult your supervisor or SOPs for special handling directions.</td></tr> </table>	G		H		I		J		K		X	Consult your supervisor or SOPs for special handling directions.
A																									
B																									
C																									
D																									
E																									
F																									
G																									
H																									
I																									
J																									
K																									
X	Consult your supervisor or SOPs for special handling directions.																								

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.4 | Revision Date: 10/12/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE COOL GEL
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER	
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer	82339-16-0	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxypropyl methacrylate	27813-02-1	NA	NA	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
HEMA maleate	51978-15-5	NA	NA	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Methacryloxythanol	868-77-9	NA	NA	0-1	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl phenyl phosphine	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</p> <table border="1" style="width: 100%;"> <tbody> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </tbody> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 160,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.



13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary components of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

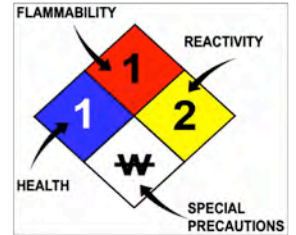
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision: 3.1 SDS Revision Date: 1/30/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Cuticle Oil
1.2	Chemical Name: BOTANICAL OIL BLEND
1.3	Synonyms: NA
1.4	Trade Names: CUTICLE OIL
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	This product is NOT classified as a HAZARDOUS SUBSTANCE or a DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and AADG Code (Australia). Hazard Statement (H): None Precautionary Statements (P): None.											
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES											
2.3	Effects of Exposure: INGESTION: If product is swallowed in large quantities may cause diarrhea. EYES & SKIN: Slightly irritating to the eyes. INHALATION: Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.											
2.4	Symptoms of Overexposure: Symptoms of over exposure may include redness, itching and irritation.											
2.5	Acute Health Effects: SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.											
2.6	Chronic Health Effects: No chronic health effects are known, although symptoms and discomfort may occur for several days following over exposure, following											
2.7	Target Organs: Eyes											

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					TLV	STEL	TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Helianthus Annuus (Sunflower) Seed Oil	8001-21-6	NA	232-307-2	60-100	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Vitis Vinifera (Grape Seed) Extra Virgin Oil	8024-22-24	NA	273-313-5	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
Lavandula Officialis (Lavender) Flower Oil	84776-65-8	NA	283-994-0	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Melaleuca Alternifolia Leaf Oil	85085-48-9	NA	285-377-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
Ocimum Basilicum Herb Oil	84775-71-3	NA	283-900-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Tocopheryl Acetate (Vitamin E)	58-95-7	GP820000	200-405-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, seek immediate medical attention. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once.</p>										
4.2	Medical Conditions Aggravated by Exposure: None known	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF8C00;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">A</td> </tr> <tr> <td>EYES</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	A	EYES	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
PROTECTIVE EQUIPMENT	A											
EYES												

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	
5.5	Extinguishing Methods:	
5.6	Fire Fighting Procedures:	
		<p>This product is non- flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)</p> <p>NA</p> <p>As in any fire, wear MSHA / NIOSH approved self-contained breathing apparatus (Pressure-demand) and full protective gear.</p>

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.</p>
-----	---------	--


7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Avoid eye contact. Do not eat, drink or smoke when handling this product.
7.2	Storage & Handling:	Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spilled material promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical (e.g.: fans) or natural ventilation is sufficient when this product is in use.
8.2	Respiratory Protection:	
8.3	Eye Protection:	
		<p>No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.</p> <p>None required under normal conditions of use. Avoid eye contact. May cause irritation in some sensitive individuals. When handling large quantities (e.g.: > 1 gallon), safety glasses with side shields should be used.</p>



8.4	Hand Protection:	None required under normal conditions of use. May cause skin irritation in some sensitive individuals. When handling large quantities (e.g.: > 1 gallon), wear rubber or impermeable plastic gloves .	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., > 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.98
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	clear to slightly amber oily liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.11	Viscosity:	500 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable
10.2	Hazardous Decomposition Products:	Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat.
10.5	Incompatible Substances:	None known or reported.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity:	See Section 2.5
11.3	Chronic Toxicity:	See Section 2.6
11.4	Suspected Carcinogen:	NE
11.5	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product:	See Section 2.3
11.7	Biological Exposure Indices:	NE
11.8	Physician Recommendations:	Treat syptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Plants & Animals: There is no specific data for this product.
12.3	Effects on Aquatic Life: There is no specific data for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recycling.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.



14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (SCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt
15.4	CERCLA Reportable Quantity (RQ): NA
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.
15.7	State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Prop 65 (CA), Florida Toxic Substance List (FL), Massachusetts (MA) Hazardous Substance List, Michigan (MI) Critical Substance List, Minnesota (MN) Hazardous Substance List, New Jersey (NJ) Right-To-Know, New York (NY) Hazardous Substance List, Pennsylvania (PA) Right-To-Know List, Washington (WA) Permissible Exposures List, Wisconsin (WI) Hazardous Substance List.
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Hazard Statemens: None. Risk Phrases (R): None. Safety Phrases (S): None

16. OTHER INFORMATION

5 of 6

16.1	Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this SDS.
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com 
16.5	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

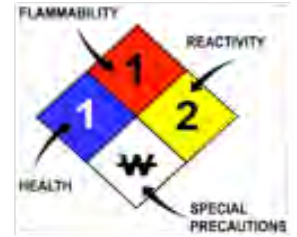
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritant	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

Class C	Class E	Class F	Class N	Class O	Class T	Class Xi	Class Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 8/1/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Pretty Effect Pigments and Premium Pretty Effect Pigments containing Titanium Dioxide
1.2	Chemical Name: MICA AND SILICATE PIGMENT POWDERS
1.3	Synonyms: NA
1.4	Trade Names: Mediterranean, Morocco, Ice, Opal, Celeste, Amethyst, Violet Shimmer, Rose Sparkle, Gold Sparkle, Silver Sparkle, Lilac Shimmer, Light Blue Sparkle
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE CANCER BY INHALATION. Hazard Statements (H): H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).			
2.2	Routes of Entry:	Inhalation: YES	Absorption: NO	Ingestion: YES
2.3	Effects of Exposure: INGESTION: No effects EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. INHALATION: Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing in the case of extreme overexposure.			
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.			
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. This product is virtually nontoxic after a single exposure.			
2.6	Chronic Health Effects: The material may cause cancer after prolonged exposure to high concentrations of dust.			
2.7	Target Organs: Lungs, skin			

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Aluminum	7429-90-5	NA	231-072-3	0-100	NA	NA	NA	NF	NF	NA	NA	NE		
Silica	7631-86-9	NA	231-545-4	0-100	NA	NA	NF	NF	NF	NA	NA	NA		

Aluminum Calcium Sodium Silicate	1344-01-0	NA	215-685-3	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Calcium Sodium Borosilicate	65997-17-3	NA	266-046-0	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Synthetic Fluorophlogopite	12003-38-2	NA	234-426-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Mica	12001-26-2	NA	NA	0-70	NA	NA	NF	NF	NF	NA	NA	NA	

MAY ALSO CONTAIN:

Silver	17852-98-1	NA	NA	0-10	NA	NA	NF	NF	NF	NA	NA	NA	
CI75470 (Carmine)	1390-65-4	NA	215-724-4	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI77861 (Tin Oxide)	18282-10-5	NA	242-159-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI77510 (Ferric Ferrocyanide)	14038-43-8	NA	237-875-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI77491 (Red Iron Oxide)	1209-37-1	NA	215-168-2	0-25	NA	NA	NF	NF	NF	NA	NA	NA	

4.1	First Aid: INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 5 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately. INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. If breathing becomes labored, seek immediate medical attention.										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (lungs, skin)										
	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is not flammable or combustible.
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For all spills wear appropriate personal protective equipment (e.g., dust mask, goggles & gloves). Minimize ventilation (close doors and windows) in order to reduce making the product more airborne. Use a vacuum with adequate filtration to collect the spilled material and bag the vacuumed material in a plastic bag. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Avoid prolonged contact with this material. Avoid breathing the dust generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling:	Use and store in a cool, dry, well ventilated location. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions:	Avoid sources of flame and sparks

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	The use of an approved dust mask is highly recommended.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; dust may be contained between the lens and eye.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 Kg), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 Kg), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density: (gm/ml)	3.0
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	pigmented powder
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	This product is stable under all conditions
10	Hazardous Decomposition Products:	None
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	none
11	Incompatible Substances:	None

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The some of ingredients of this product are listed as carcinogens by the National Toxicology Program and have been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product is very environmetally stable.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.


13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disnosal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: none	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! CAUSES EYE IRRITATION. Avoid breathing dust. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: <u>Please see last page of this SDS.</u>	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 8/1/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Pretty Effect Pigments and Premium Pretty Effect Pigments containing Titanium Dioxide
1.2	Chemical Name: MICA AND SILICATE PIGMENT POWDERS
1.3	Synonyms: NA
1.4	Trade Names: Mediterranean, Morocco, Ice, Opal, Celeste, Amethyst, Violet Shimmer, Rose Sparkle, Gold Sparkle, Silver Sparkle, Lilac Shimmer, Light Blue Sparkle
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE CANCER BY INHALATION. Hazard Statements (H): H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).			
2.2	Routes of Entry:	Inhalation: YES	Absorption: NO	Ingestion: YES
2.3	Effects of Exposure: INGESTION: No effects EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. INHALATION: Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing in the case of extreme overexposure.			
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.			
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. This product is virtually nontoxic after a single exposure.			
2.6	Chronic Health Effects: The material may cause cancer after prolonged exposure to high concentrations of dust.			
2.7	Target Organs: Lungs, skin			

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Aluminum	7429-90-5	NA	231-072-3	0-100	NA	NA	NA	NF	NF	NA	NA	NE		
Silica	7631-86-9	NA	231-545-4	0-100	NA	NA	NF	NF	NF	NA	NA	NA		

Aluminum Calcium Sodium Silicate	1344-01-0	NA	215-685-3	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Calcium Sodium Borosilicate	65997-17-3	NA	266-046-0	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Synthetic Fluorophlogopite	12003-38-2	NA	234-426-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
Mica	12001-26-2	NA	NA	0-70	NA	NA	NF	NF	NF	NA	NA	NA	
MAY ALSO CONTAIN:													
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	0-20	NA	NA	NF	NF	NF	NA	NA	NA	
Silver	17852-98-1	NA	NA	0-10	NA	NA	NF	NF	NF	NA	NA	NA	
CI75470 (Carmine)	1390-65-4	NA	215-724-4	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI77861 (Tin Oxide)	18282-10-5	NA	242-159-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI77510 (Ferric Ferrocyanide)	14038-43-8	NA	237-875-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI77491 (Red Iron Oxide)	1209-37-1	NA	215-168-2	0-25	NA	NA	NF	NF	NF	NA	NA	NA	

4.1	First Aid:	
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person.
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 5 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.
	INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. If breathing becomes labored, seek immediate medical attention.

4.2	Medical Conditions Aggravated by Exposure:	HEALTH	1
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (lungs, skin)	FLAMMABILITY	0
		PHYSICAL HAZARDS	0
		PROTECTIVE EQUIPMENT	B
		EYES SKIN	

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	This product is not flammable or combustible.
5.5	Extinguishing Methods:	Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For all spills wear appropriate personal protective equipment (e.g., dust mask, goggles & gloves). Minimize ventilation (close doors and windows) in order to reduce making the product more airborne. Use a vacuum with adequate filtration to collect the spilled material and bag the vacuumed material in a plastic bag. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	---------	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the dust generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Avoid sources of flame and sparks

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	The use of an approved dust mask is highly recommended.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; dust may be contained between the lens and eye.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 Kg), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 Kg), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density: (gm/ml)	3.0
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	pigmented powder
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability: This product is stable under all conditions
10	Hazardous Decomposition Products: None
10	Hazardous Polymerization: Will not occur.
10	Conditions to Avoid: none
11	Incompatible Substances: None

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The some of ingredients of this product are listed as carcinogens by the National Toxicology Program and have been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists. Titanium Dioxide: Assessment by the IARC (Internal Agency for Research on Cancer) has classified this substance as a group 2B (the agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcenogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. Dermal or ingenstive expsoure is not suspected to be carcinogenic.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product is very environmetally stable.
12	Effects on Plants & Animals: There is no specific data availble for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS


13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. **Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.**

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: Titanium Dioxide is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WAL).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! CAUSES EYE IRRITATION. Avoid breathing dust. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

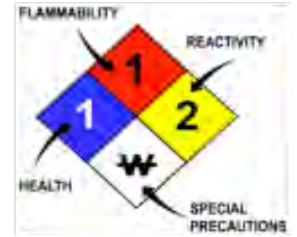
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.3 | SDS Revision Date: 10/15/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE EXTREME
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: EXTREME PINK, BABY PINK EXTREME, SOFT PINK EXTREME, COSMETIC PINK EXTREME
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI copolymer	82339-15-9	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentylglycol Adipate/IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylolpropane Trimethacrylate	73297-27-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl Diphenylphosphine oxide	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Skin Sens. 1; Aquatic Chronic 4; H317, H413													
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.														

4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure:</p> <p>Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</p> <table border="1" style="width: 100%;"> <tbody> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td style="background-color: #000000; color: white;">EYES SKIN</td> <td></td> </tr> </tbody> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 300,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.



13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered persuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sounsult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

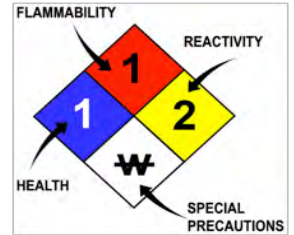
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.5 | SDS Revision Date: 05/21/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE FIBER
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: FIBER, PINK FIBER, NATURAL PINK FIBER, COSMETIC PINK FIBER, COVER PINK FIBER, NATURAL FIBER
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-Hydroxyethyl Methacrylate Poly(neopentyl Glycol Adipate)/ IPDI Copolymer Dilution	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylpropane trimethacrylate	3290-92-4	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Silica	67762-90-7	NA	204-337-6	1-8	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
bis-trimethylbenzoyl phenyl phosphine oxide	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.
	INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.
4.2	Medical Conditions Aggravated by Exposure:	
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	
		HEALTH 1
		FLAMMABILITY 0
		PHYSICAL HAZARDS 0
		PROTECTIVE EQUIPMENT B
		EYES SKIN

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Candaian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threashold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.11	Viscosity:	approximately 65,000 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	Relatively stable under ambient conditions when stored properly.
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatable chemicals, strong light sources, sparks and flame.
10.5	Incompatable Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12.2	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12.3	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13.1	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13.2	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (SCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA	
15.2	SARA Threshold Planning Quantity: NA	
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15.4	CERCLA Reportable Quantity (RQ): NA	
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
15.7	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).	
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16.1	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16.2	Terms & Definitions: Please see last page of this SDS.	
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sounsult the latest edition.	
16.4	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	
16.5	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀₁ or TC, TC ₀₁ , LC ₁₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.2 | SDS Revision Date: 11/28/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE FLAT MATTE
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NA	NA	NE	
Bis-HEMA Poly(neopentyl Glycol Adipate)/ IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA	
Trimethylolpropane trimethacrylate	3290-92-4	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA	
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA	
Silica	67762-90-7	NA	204-337-6	1-8	NA	NA	NF	NF	NF	NA	NA	NA	
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA	
bis-trimethylbenzoyl phenyl phosphine oxide	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:											
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.										
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.										
	INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1"> <tbody> <tr> <td>HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </tbody> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO ₂ and Nox)
5.5	Extinguishing Methods: Water, Foam, CO ₂ , Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of</p>
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	<p>Storage & Handling:</p> <p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	<p>Special Precautions:</p> <p>Do not store where temperatures can exceed 50 °C (122 °F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 65,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability: Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products: If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization: Will not occur.
10	Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances: Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION







The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	<p>Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.</p>		
16	<p>Terms & Definitions: Please see last page of this SDS.</p>		
16	<p>Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</p>		
16	<table border="0" style="width: 100%;"> <tr> <td style="width: 35%; vertical-align: top;"> <p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p> </td> <td style="width: 65%; text-align: center; vertical-align: middle;">  McConnellLabs </td> </tr> </table>	<p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs
<p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs		
17	<table border="0" style="width: 100%;"> <tr> <td style="width: 35%; vertical-align: top;"> <p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p> </td> <td style="width: 65%; text-align: center; vertical-align: middle;">  McConnellLabs </td> </tr> </table>	<p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs
<p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs		

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

 Safety Glasses	 Splash Goggles	 Face Shield & Protective Eyewear	 Gloves
 Boots	 Synthetic Apron	 Protective Clothing & Full Suit	 Dust Respirator
 Full Face Respirator	 Dust & Vapor Half-Mask Respirator	 Full Face Respirator	 Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

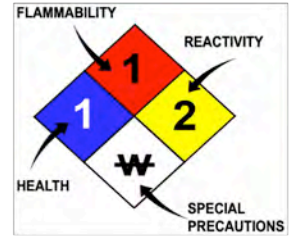
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₅₀ or TC, TC₀₁, LC₀₁, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards	SDS Revision: 1.0	SDS Revision Date: 08/29/2019
--	-------------------	-------------------------------

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE Jimmy Gel
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: Pink Jimmy Gel
1.4	Trade Names: NA
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Bis-HEA	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NA	NA	NA	
Poly(propylene glycol)-53 / IPDI copolymer													
Bis-HEMA	82339-16-0	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA	
Polyneopentyl Glycol Adipate/ IPDI Copolymer													
Bis-HEMA	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA	
Trimethylhexamethylene Diisocyanate													
Isobutyl Methacrylate	42978-66-5	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-4 Dimethacrylate	50657-38-0	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
Tripropylene glycol diacrylate	42978-66-5	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA	
Trimethylbenzoyl Phenylphosphine	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Skin Sens. 1; Aquatic Chronic 4; H317, H413												
MAY ALSO CONTAIN:													
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:											
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.										
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.										
	INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.										
4.2	Medical Conditions Aggravated by Exposure:											
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO ₂ and Nox)

5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
-----	---

5.6	<p>Fire Fighting Procedures:</p> <p>First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.</p>
-----	---



6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of</p>
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	<p>Storage & Handling:</p> <p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	<p>Special Precautions:</p> <p>Do not store where temperatures can exceed 50 °C (122 °F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, applicable U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 15,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6
11	Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product:	See Section 2.3
12	Biological Exposure Indices:	NE
12	Physician Recommendations:	Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability:	This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals:	There is no specific data available for this product on plant life.
12	Effects on Aquatic Life:	There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
 Please see last page of this SDS.

16 Disclaimer:
 This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
 McConnell Labs, Inc.
 406 SW Umatilla Ave
 Redmond, OR 97756 USA
 Tel: +1 541 526 1417
 Fax: +1 541 526 1418
<http://www.lighttelescope.com>



17 Prepared by:
 McConnell Labs, Inc.
 406 SW Umatilla Ave
 Redmond, OR 97756 USA
 Tel: +1 541 526 1417
 Fax: +1 541 526 1418
<http://www.lighttelescope.com>



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

 Safety Glasses	 Splash Goggles	 Face Shield & Protective Eyewear	 Gloves
 Boots	 Synthetic Apron	 Protective Clothing & Full Suit	 Dust Respirator
 Full Face Respirator	 Dust & Vapor Half-Mask Respirator	 Full Face Respirator	 Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

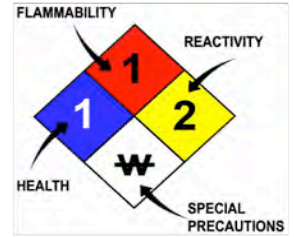
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₅₀ or TC, TC₀₁, LC₀₁, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 5.21 | SDS Revision Date: 10/10/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE MANICURE GEL
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								OTHER	
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer	82339-16-0	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropylene glycol diacrylate	42978-66-5	NA	NA	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
bis-trimethylbenzoyl phenyl phosphine	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.														

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>															
4.2	Medical Conditions Aggravated by Exposure:	<table border="1"> <tbody> <tr> <td>Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</td> <td>HEALTH</td> <td>1</td> </tr> <tr> <td></td> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td></td> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td></td> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td></td> <td>EYES SKIN</td> <td></td> </tr> </tbody> </table>	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	HEALTH	1		FLAMMABILITY	0		PHYSICAL HAZARDS	0		PROTECTIVE EQUIPMENT	B		EYES SKIN	
Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	HEALTH	1															
	FLAMMABILITY	0															
	PHYSICAL HAZARDS	0															
	PROTECTIVE EQUIPMENT	B															
	EYES SKIN																

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO₂ and Nox)
5.5	Extinguishing Methods:	Water, Foam, CO₂, Dry Chemical

5.6	<p>Fire Fighting Procedures:</p> <p>First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.</p>
-----	---



6. ACCIDENTAL RELEASE MEASURES

6.1	<p>Spills:</p> <p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of</p>
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	<p>Work & Hygiene Practices:</p> <p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	<p>Storage & Handling:</p> <p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	<p>Special Precautions:</p> <p>Do not store where temperatures can exceed 50 °C (122 °F).</p>

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, applicable U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 115,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6
11	Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product:	See Section 2.3
12	Biological Exposure Indices:	NE
12	Physician Recommendations:	Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability:	This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals:	There is no specific data available for this product on plant life.
12	Effects on Aquatic Life:	There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.







Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	<p>Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.</p>		
16	<p>Terms & Definitions: Please see last page of this SDS.</p>		
16	<p>Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</p>		
16	<table border="0" style="width: 100%;"> <tr> <td style="width: 35%; vertical-align: top;"> <p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p> </td> <td style="width: 65%; text-align: center; vertical-align: middle;">  McConnellLabs </td> </tr> </table>	<p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs
<p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs		
17	<table border="0" style="width: 100%;"> <tr> <td style="width: 35%; vertical-align: top;"> <p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p> </td> <td style="width: 65%; text-align: center; vertical-align: middle;">  McConnellLabs </td> </tr> </table>	<p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs
<p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	 McConnellLabs		

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

 Safety Glasses	 Splash Goggles	 Face Shield & Protective Eyewear	 Gloves
 Boots	 Synthetic Apron	 Protective Clothing & Full Suit	 Dust Respirator
 Full Face Respirator	 Dust & Vapor Half-Mask Respirator	 Full Face Respirator	 Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

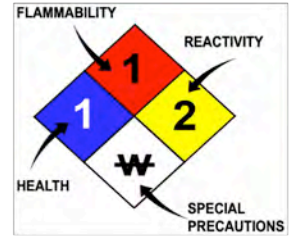
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₅₀ or TC, TC₀₁, LC₀₁, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.2 | SDS Revision Date: 3/4/2015

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE P+ BASE COAT
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H226 - Flammable liquid and vapor. H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363</p>	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
Poly(propyleneglycol)-53/IPDI Copolymer														
Bis-HEA Poly(1,4-butanediol)-9 / IPDI	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
Bis-HEMA	82339-16-0	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
Polyneopentyl Glycol Adipate/ IPDI Copolymer														
TETRAHYDROFUFURYL METHACRYLATE	2455-24-5	NA	219-529-5	5-13	NE	NE	NE	NE	NF	NE	NE	NE		
ISOBORONYL METHACRYLATE	7534-94-3	NA	231-403-1	5-13	NE	NE	NE	NE	NF	NE	NE	NE		
SUCROSE BENZOATE	12738-64-6	NA	235-795-5	5-13	NA	NA	NA	NA	NF	NA	NA	NA		
1-HYDROXYCYCLOHEXYL PHENYL KETONE	947-13-3	NA	213-426-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Accute Tox. Oral 5; Aquatic Acute 3; H225, H319, H402													
TRIMETHYLBENZOYL DIPHENYLPHOSPHINE OXIDE	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE	84434-11-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Skin Sens. 1; Aquatic Chronic 4; H317, H413													

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>											
4.2	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	1	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1												
FLAMMABILITY	0												
PHYSICAL HAZARDS	1												
PROTECTIVE EQUIPMENT	B												
EYES SKIN													

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	This product is slightly flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)

5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]) wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

4 of 7

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	< 1 (air=1)
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 2,000 cps
9.1	Flash Point:	26.7 °C (80 °F), calc
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6
11	Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product:	See Section 2.3
12	Biological Exposure Indices:	NE
12	Physician Recommendations:	Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability:	This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: K_{oc} = 1.82. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals:	There is no specific data available for this product on plant life.
12	Effects on Aquatic Life:	There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED	
14	IATA (AIR): NOT REGULATED	
14	IMDG (OCN): NOT REGULATED	
14	TDGR (Canadian GND): NOT REGULATED	
15	ADR/RID (EU): NOT REGULATED	
15	MEXICO (SCT): NOT REGULATED	
15	ADGR (AUS): NOT REGULATED	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: NONE	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary components of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breathe gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

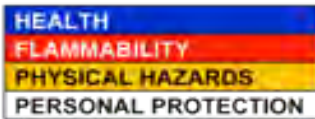
FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

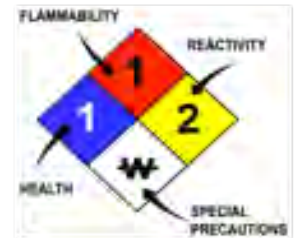
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ , or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritant	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful/Irritating	Health Hazard	Environment

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.




Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.5 | SDS Revision Date: 11/28/2016

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance P+ Color Gel Polish
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is not classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H226 - Flammable liquid and vapor. H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDf).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs:	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Bis-HEA	NA	NA	NA	30-50	NA	NA	NA	NA	NF	NA	NA	NA	
Poly(propylene glycol)-53/IPDI Copolymer													
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA	
Bis-HEMA	82339-16-0	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA	
Polyneopentyl Glycol Adipate/ IPDI Copolymer													
PEG-4 Dimethacrylate	25852-47-5	NA	NA	5-13	NE	NE	NE	NE	NF	NE	NE	NE	
Tetrahydrofurfuryl Methacrylate	2455-24-5	NA	219-529-5	5-13	NE	NE	NE	NE	NF	NE	NE	NE	
Sucrose Benzoate	12738-64-6	NA	NA	5-13	NE	NE	NE	NE	NF	NE	NE	NE	
Isobornyl Acrylate	7534-94-3	NA	231-403-1	5-13	NE	NE	NE	NE	NF	NE	NE	NE	
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA	
1-hydroxycyclohexyl phenylketone	947-19-3	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Trimethylebenzoyl Diphenylphosphine Oxide	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Silica	7631-86-9	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
MAY ALSO CONTAIN:													
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77002 (Yellow 10)	21645-51-2	GL8510000	215-573-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77007 (Ultramarine Blue)	57455-37-5	BQ4725000	215-111-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (Red 28)	18472-87-2	NA	241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (Black Iron Oxide)	52357-70-7	NA	257-870-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
MICA	12001-26-2	ZF6680000	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (Yellow 5)	12225-21-7	NA	235-428-9	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (Red 48)	18472-87-2	NA	242-355-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (Iron Oxide)	12227-89-3	NA	235-442-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77491 (Iron Oxide)	1309-37-1	NA	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polybutylene Terephthalate	26062-94-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irritant 2; H319												
Polyethylene Terephthalate	25038-59-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI15880 (Red 63)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

CI 19140 (Yellow 23 Al Lake)	12225-21-7	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 57)	5281-04-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Prussion Blue)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15880 (Red 34)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 7)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	15792-67-3	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Blue 27)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77266 (Carbon Black)	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Acrylates Copolymer	25035-69-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380 / CI 47805	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
	8004-92-0		NA										
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380	146277-66-9	NA	500-326-8	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polyurethane-33	125826-44-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	7429-90-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

5 of 9

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s)</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	0											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods:	Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of</p>
-----	---------	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:	<p>Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
7.2	Storage & Handling:	<p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!</p>
7.3	Special Precautions:	Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	< 1 (air=1)
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 4,000 cps
9.1	Flash Point:	26.7 °C (80 °F), calc
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6

11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: K_{oc} = 1.82. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA
15	SARA Threshold Planning Quantity: NA
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt

15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417	 McConnell Labs
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418	 McConnell Labs

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

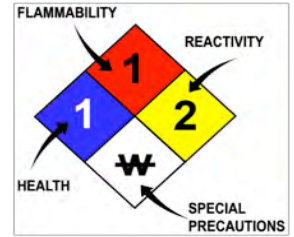
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 2.4 | SDS Revision Date: 11/02/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE P* TOP COAT
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: This product is not classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).</p>	
2.2	<p>Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES</p>	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Bis-HPMA Poly(1,4-Butanediol)-9/TMDI Copolymer	NA	NA	NA	60-100	NA	NA	NA	NF	NF	NA	NA	NA	
Bis-HEMA Polyneopentyl Glycol Adipate / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA	
Bis-HEMA trimethylhexamethylene diisocyanate	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA	
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	0-20	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-4 Dimethacrylate	25852-47-5	NA	NA	0-20	NA	NA	NF	NF	NF	NA	NA	NA	
trimethylolpropane trimethacrylate	3290-92-4	NA	NA	0-20	NA	NA	NF	NF	NF	NA	NA	NA	
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA	
Bis-Trimethylbenzoyl phenylphosphine	162881-26-7	NA	NA	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA	Skin Sens. 1; Aquatic Chronic 4; H317, H413
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	Skin Sens. 1; Repr. 2 (fertility), AquaticAcute 2; AquaChronic 2: H317, H361, H401, H411

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure:</p> <p>Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	B										
EYES SKIN											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 2,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internal Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: NA	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: <u>Please see last page of this SDS.</u>	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelegance.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
--------------	---

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard



ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

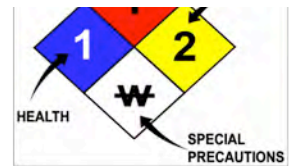
OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₁₀ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.3 | SDS Revision Date: 04/11/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE PowerBond & P+ Base Coat
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: P+ Base Coat, PowerBond & Pink PowerBond
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is not classified as a HAZARDOUS SUBSTANCE according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - if eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDf).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly (propylene glycol)-53 / IPDI Copolymer	NA	NA	NA	10-40	NA	NA	NF	NF	NF	NA	NA	NA		
Isopropylidenephenyl bisoxyhydroxypropyl methacrylate	1565-94-2	NA	216-367-7	5-40	NA	NA	NF	NF	NF	NA	NA	NA		
Methacryloyloxyethanol Maleate	51978-15-5	NA	NA	5-40	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxypropyl Methacrylate	27813-02-1	NA	NA	5-30	NA	NA	NF	NF	NF	NA	NA	NA		
Bis-HEMA Poly(neopentyl glycol adipate) / IPDI copolymer	NA	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Methacryloyloxyethanol	868-77-9	NA	NA	0-10	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	0-8	NA	NA	NF	NF	NF	NA	NA	NA		
Methacrylic Acid	79-41-4	NA	NA	0-5	NA	NA	NF	NF	NF	NA	NA	NA		
Ethyl Acetate	141-78-6	AF7350000	205-500-4	0-5	150	200	150	200	NF	200	200	####		
Flammable Liquid 3; Specific Target Organ Toxicity - Single Exposure 3; H226, H336														
1-Hydroxycyclohexyl phenylketone	947-13-3	NA	213-426-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Accute Tox. Oral 5; Aquatic Acute 3; H225, H319, H402														
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Cl 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>										
4.2	Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	1	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1											
FLAMMABILITY	0											
PHYSICAL HAZARDS	1											
PROTECTIVE EQUIPMENT	B											
EYES SKIN												

5. FIREFIGHTING MEASURES

3 of 8

5.1	Flashpoint & Method: > 100 °C (ASTM D93-15)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

4 of 8

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g. sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]) wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	> 1 (air=1)
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 2,000 cps
9.1	Flash Point:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

5 of 8

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): Not Regulated	
14	IATA (AIR): Not Regulated	
14	IMDG (OCN): Not Regulated	
14	TDGR (Canadian GND): Not Regulated	
15	ADR/RID (EU): Not Regulated	
15	MEXICO (SCT): Not Regulated	
15	ADGR (AUS): Not Regulated	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): BUTYL ACETATE: 5,0000 lbs (2,270 kg)	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Butyl Acetate is listed on the following state criteria list(s): Delaware Air Quality Management List (DE), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposure Limits for Air Contaminants (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Butyl Acetate: Flammable (F). Harmful (Xi). Risk Phrases (R): H226 - Flammable liquid. H315 - Irritating to eyes, skin and respiratory system. H317 - May cause an allergic skin reaction. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnell Labs
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	 McConnell Labs

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

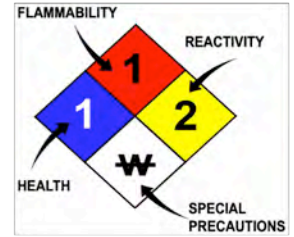
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 10/15/15

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE PRETTIES
1.2	Chemical Name: Powder pigments
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: None
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES
2.3	Effects of Exposure: INGESTION: none EYES & SKIN: Exposure may be irritating to the eyes. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing.
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.
2.7	Target Organs: Eyes, skin

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH		
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (YELLOW 10)	21645-51-2	GL8510000	215-573-4	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77266 (BLACK 7)	1333-86-4	NA	215-609-9	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 42090 (BLUE 1)	3844-45-9	NA	223-339-8	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77007 (ULTRAMARINE)	57455-37-5	BQ4725000	215-111-1	0-100	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (RED 7)	5281-04-9	NA	226-109-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA		

CI 77492 (YELLOW 42)	51274-00-1	UQ6400000	257-098-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (BROWN 6)	52357-70-7	NA	257-870-1	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15985 (YELLOW 6)	2783-94-0	NA	220-491-7	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
MICA	12001-26-2	ZF6680000	NA	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 16035 (RED 40)	25956-17-6	VV8760000	247-368-0	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (YELLOW 5)	12225-21-7	NA	235-428-9	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (BLUE 27)	14038-43-8	NA	237-875-5	0-100	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77491 (IRON OXIDE)	1309-37-1	NA	215-168-2	0-100	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES			
4.1	First Aid:		
	INGESTION:	drink plenty of water	
	SKIN & EYES:	flush eyes with water for 5 minutes	
	INHALATION:	Remove victim to fresh air at once. Seek immediate medical attention if breathing becomes labored.	
4.2	Medical Conditions Aggravated by Exposure:		
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	HEALTH	1
		FLAMMABILITY	0
		PHYSICAL HAZARDS	0
		PROTECTIVE EQUIPMENT	B
		EYES	SKIN



5. FIREFIGHTING MEASURES	
5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is non-combustible
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.

6. ACCIDENTAL RELEASE MEASURES	
6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For any size spill, sweeping or vacuuming the dust from the floor and surrounding furnishings is advised.

7. HANDLING AND STORAGE INFORMATION	
7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: none

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

3 of 6

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 4,000 cps
9.1	Flash Point:	NA
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	none
11	Incompatible Substances:	none

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6
11	Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This products is not reported to cause teratogenic effects in humans.

12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS


13	Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disnosal according to local, state and Federal regulations.


14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.



14	49 CFR (GRD): NOT REGULATED	
14	IATA (AIR): NOT REGULATED	
14	IMDG (OCN): NOT REGULATED	
14	TDGR (Canadian GND): NOT REGULATED	
15	ADR/RID (EU): NOT REGULATED	
15	MEXICO (SCT): NOT REGULATED	
15	ADGR (AUS): NOT REGULATED	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	

16	<p>State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA).</p>	
16	<p>67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.</p>	

16. OTHER INFORMATION

16	<p>Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.</p>	
16	<p>Terms & Definitions: Please see last page of this SDS.</p>	
16	<p>Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sونسult the latest edition.</p>	
16	<p>Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	
17	<p>Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com</p>	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

<table border="1"> <tr><td>A</td><td></td></tr> <tr><td>B</td><td> </td></tr> <tr><td>C</td><td> </td></tr> <tr><td>D</td><td> </td></tr> <tr><td>E</td><td> </td></tr> <tr><td>F</td><td> </td></tr> </table>	A		B		C		D		E		F		<table border="1"> <tr><td>G</td><td> </td></tr> <tr><td>H</td><td> </td></tr> <tr><td>I</td><td> </td></tr> <tr><td>J</td><td> </td></tr> <tr><td>K</td><td> </td></tr> <tr><td>X</td><td>Consult your supervisor or SOPs for special handling directions.</td></tr> </table>	G		H		I		J		K		X	Consult your supervisor or SOPs for special handling directions.
A																									
B																									
C																									
D																									
E																									
F																									
G																									
H																									
I																									
J																									
K																									
X	Consult your supervisor or SOPs for special handling directions.																								

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ , or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritant	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision: 3.1 SDS Revision Date: 2/4/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Q&Lu Spa Essentials Bamboo Lotion
1.2	Chemical Name: Lotion
1.3	Synonyms: NA
1.4	Trade Names: Bamboo Lotion
1.5	Product Use: PROFESSIONAL CONSUMER USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	This product is NOT classified as a HAZARDOUS SUBSTANCE or a DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and AADG Code (Australia). Hazard Statement (H): None Precautionary Statements (P): None.	
2.2	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
2.3	Effects of Exposure:	INGESTION: If product is swallowed in large quantities may cause diarrhea. EYES & SKIN: Slightly irritating to the eyes. INHALATION: Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.
2.4	Symptoms of Overexposure:	Symptoms of over exposure may include redness, itching and irritation.
2.5	Acute Health Effects:	SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.
2.6	Chronic Health Effects:	No chronic health effects are known, although symptoms and discomfort may occur for several days following over exposure, following
2.7	Target Organs:	Eyes

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Aqua	7732-18-5	NA	231-791-2	60-90	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Helianthus Annuus Seed Oil	8001-21-6	NA	232-273-9	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Glycerin	56-81-5	NA	200-289-5	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Cetearyl Olivat	85116-80-9	NA	NA	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Sorbitan Olivat	223706-40-9	NA	NA	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Stearic Acid	57-11-4	NA	200-313-4	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Vitis Vinifera Seed Oil	8024-22-4	NA	NA	3-10	NA	NA	NF	NF	NF	NA	NA	NA		

Shea butter (Butyrospermum parkii)	68424-60-2	NA	270-311-6	3-10	NA	NA	NF	NF	NF	NA	NA	NA	
Xanthan gum	11138-66-2	NA	234-394-2	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
Lavandula Angustifolia Oil	8000-28-0	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Asp. Tox 1; Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2; H304, H315, H317, H411												
Mentha Viridis Leaf Oil	8008-79-5	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Flam. Liq. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; H227, H315, H317, H304												
Aqua	7732-18-5	NA	231-791-2	≤1.0	NA	NA	NA	NF	NF	NA	NA	NE	
Citric Acid	77-92-9	NA	201-069-1	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irrit. 2B												
Silver Ions	NA	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Melaleuca Alternifolia Leaf Oil	68647-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Aqua. Chron. 2; H226, H302, H304, H315, H317,												
Mentha Piperita Oil	8006-90-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Flam. Liq. 4; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; Asp. Tox. 1; H227, H315, H317, H304												
Bambusa Arundinacea Stem Extract	91771-32-3	NA	294-922-2	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Rosmarinus Officinalis Leaf Oil	8000-25-7	NA	283-291-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 STOT SE 2, H371 Asp. Tox. 1, H304												
Ocimum Basilicum Oil	8015-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Muta. 2; Carc. 2; Aqua. Chron. 2; H315, H317, 319, H341, H351, H411												
Tocopheryl Acetate	7695-91-2	NA	231-710-0	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4. FIRST AID MEASURES											
4.1	<p>First Aid:</p> <p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, seek immediate medical attention. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once.</p>										
4.2	<p>Medical Conditions Aggravated by Exposure:</p> <p>None known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPM</td> <td style="text-align: center;">A</td> </tr> <tr> <td>EYES</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPM	A	EYES	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPM	A										
EYES											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:

	This product is non- flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)	
5.5	Extinguishing Methods: NA	
5.6	Fire Fighting Procedures: As in any fire, wear MSHA / NIOSH approved self-contained breathing apparatus (Pressure-demand) and full protective gear.	

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid eye contact. Do not eat, drink or smoke when handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Do not store in damaged or unmarked containers or storage devises. Keep containers securely closed when not in use.
7.3	Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spilled material promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical (e.g.: fans) or natural ventilation is sufficient when this product is in use.
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or
8.3	Eye Protection:	None required under normal conditions of use. Avoid eye contact. May cause irritation
8.4	Hand Protection:	None required under normal conditions of use. May cause skin irritation in some
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities



9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.94
9.2	Boiling Point:	ND
9.3	Melting Point:	ND
9.4	Evaporation Rate:	ND
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	White/Off White lotion
9.8	Odor Threashold:	NE
9.9	Solubility:	Soluble
9.1	pH:	6.5-7
9.11	Viscosity:	6,000 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability: This produt is stable
10.2	Hazardous Decomposition Products: Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization: Will not occur.
10.4	Conditions to Avoid: Open flames, sparks and high heat.
10.5	Incompatable Substances: None known or reported.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: NE
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Plants & Animals: There is no specific data for this product.
12.3	Effects on Aquatic Life: There is no specific data for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recycling.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (SCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt
15.4	CERCLA Reportable Quantity (RQ): NA
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information
15.7	State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Hazard Statemens: None. Risk

16. OTHER INFORMATION

16.1	Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this SDS.
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government
16.4	Prepared for: McConnell Labs, Inc.
16.5	Prepared by: McConnell Labs, Inc.



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

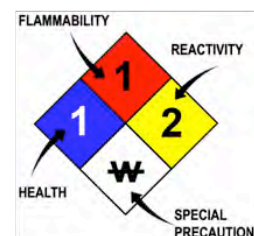


PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
F		K	

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act

F	   	X	Consult your supervisor or SOPs for special handling directions.
---	--	---	--

 Safety Glasses	 Splash Goggles	 Face Shield & Protective Eyewear	 Gloves
 Boots	 Synthetic Apron	 Protective Clothing & Full Suit	 Dust Respirator
 Full Face Respirator	 Dust & Vapor Half-Mask Respirator	 Full Face Respirator	 Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:









NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA





FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)






WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

							
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

							
C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

								
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 3.1 | SDS Revision Date: 2/4/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Q&Lu Spa Essentials Bamboo Polish
1.2	Chemical Name: Exfoliating Scrub
1.3	Synonyms: NA
1.4	Trade Names: Bamboo Polish
1.5	Product Use: PROFESSIONAL CONSUMER USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	This product is NOT classified as a HAZARDOUS SUBSTANCE or a DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and AADG Code (Australia). Hazard Statement (H): None Precautionary Statements (P): None.	
2.2	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
2.3	Effects of Exposure:	INGESTION: If product is swallowed in large quantities may cause diarrhea. EYES & SKIN: Slightly irritating to the eyes. INHALATION: Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.
2.4	Symptoms of Overexposure:	Symptoms of over exposure may include redness, itching and irritation.
2.5	Acute Health Effects:	SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.
2.6	Chronic Health Effects:	No chronic health effects are known, although symptoms and discomfort may occur for several days following over exposure, following
2.7	Target Organs:	Eyes

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(s)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									
					ACGIH		NOHSC			OSHA			OTHER	
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Aqua	7732-18-5	NA	231-791-2	50-80	NA	NA	NA	NF	NF	NA	NA	NE		
Bentonite	1302-78-9	NA	215-108-5	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Helianthus Annuus Seed Oil	8001-21-6	NA	232-273-9	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Polyglyceryl-4 Laurate	75798-42-4	NA	NA	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Bambusa Vulgaris Stem Powder	91771-33-4	NA	294-923-8	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Stearic Acid	57-11-4	NA	200-313-4	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Vitis Vinifera Seed Oil	8024-22-4	NA	NA	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Cetearyl Olivatate	85116-80-9	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Sorbitan Olivatate	223706-40-9	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Mentha Piperita Oil	8006-90-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Aqua	7732-18-5	NA	231-791-2	≤1.0	NA	NA	NA	NF	NF	NA	NA	NE		
Citric Acid	77-92-9	NA	201-069-1	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Silver Ions	NA	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Lavandula Angustifolia Oil	8000-28-0	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Rosmarinus Officinalis Leaf Oil	8000-25-7	NA	283-291-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Melaleuca Alternifolia	68647-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		

Leaf Oil	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Aqua. Chron. 2; H226, H302, H304, H315, H317, H319, H411												
Ocimum Basilicum Oil	8015-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Muta. 2; Carc. 2; Aqua. Chron. 2; H315, H317, 319, H341, H351, H411												
Tocopheryl Acetate	7695-91-2	NA	231-710-0	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid:	
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount at which the material was ingested and the amount of the substance that was swallowed.
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, seek immediate medical attention. If irritation, redness or swelling persists, consult a physician immediately.
	INHALATION:	Remove victim to fresh air at once.
4.2	Medical Conditions Aggravated by Exposure:	
	None known	
		HEALTH 1
		FLAMMABILITY 0
		PHYSICAL HAZARDS 0
		PROTECTIVE EQUIPMENT A
		EYES

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	This product is non- flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods:	NA
5.6	Fire Fighting Procedures:	As in any fire, wear MSHA / NIOSH approved self-contained breathing apparatus (Pressure-demand) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills
-----	---------	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid eye contact. Do not eat, drink or smoke when handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use.
7.3	Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spilled material promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical (e.g.: fans) or natural ventilation is sufficient when this product is in use.
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or
8.3	Eye Protection:	None required under normal conditions of use. Avoid eye contact. May cause irritation
8.4	Hand Protection:	None required under normal conditions of use. May cause skin irritation in some
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities



9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.94
9.2	Boiling Point:	ND
9.3	Melting Point:	ND
9.4	Evaporation Rate:	ND
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Gray to Tan mud
9.8	Odor Threshold:	NE
9.9	Solubility:	Soluble
9.1	pH:	6.5-7
9.11	Viscosity:	11,000 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability: This product is stable
10.2	Hazardous Decomposition Products: Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization: Will not occur.
10.4	Conditions to Avoid: Open flames, sparks and high heat.
10.5	Incompatible Substances: None known or reported.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6

11.4	Suspected Carcinogen: NE
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Plants & Animals: There is no specific data for this product.
12.3	Effects on Aquatic Life: There is no specific data for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recycling.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (SCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt

15.4	CERCLA Reportable Quantity (RQ): NA
15.5	Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information
15.7	State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Hazard Statemens: None. Risk

16. OTHER INFORMATION

16.1	Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this SDS.
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government
16.4	Prepared for: McConnell Labs, Inc.
16.5	Prepared by: McConnell Labs, Inc.



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

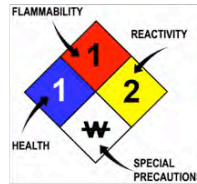
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLO	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful/Irritating	Health Hazard	Environment

PERSONAL PROTECTION RATINGS:

A		G	
B	 	H	
C	 	I	
D	 	J	
E	 	K	
F	 	X	Consult your supervisor or SOPs for special handling directions.



OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards SDS Revision: 3.1 SDS Revision Date: 2/4/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Q&Lu Spa Essentials Salt Soak
1.2	Chemical Name: Bath Salt
1.3	Synonyms: NA
1.4	Trade Names: Salt Soak
1.5	Product Use: PROFESSIONAL CONSUMER USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	This product is NOT classified as a HAZARDOUS SUBSTANCE or a DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and AADG Code (Australia). Hazard Statement (H): None Precautionary Statements (P): None.			
2.2	Routes of Entry:	Inhalation: YES	Absorption: YES	Ingestion: YES
2.3	Effects of Exposure:	INGESTION: If product is swallowed in large quantities may cause diarrhea. EYES & SKIN: Slightly irritating to the eyes. INHALATION: Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.		
2.4	Symptoms of Overexposure:	Symptoms of over exposure may include redness, itching and irritation.		
2.5	Acute Health Effects:	SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.		
2.6	Chronic Health Effects:	No chronic health effects are known, although symptoms and discomfort may occur for several days following over exposure, following		
2.7	Target Organs:	Eyes		

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Magnesium Sulfate (heptahydrate)*	10034-99-8	NA	231-298-2	30-60	NA	NA	NA	NF	NF	NA	NA	NE		
Sea Salt	7647-14-5	NA	231-598-3	30-60	NA	NA	NF	NF	NF	NA	NA	NA		
Sodium Cocoyl Iseothionate	61789-32-0	NA	263-052-5	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Lavendula Angustifolia Oil	8000-28-0	NA		≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Melaleuca Alternifolia	68647-73-4	NA		≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		

Leaf Oil	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Aqua. Chron. 2; H226, H302, H304, H315, H317, H319, H411												
Eucalyptus Globulus Leaf Oil	8000-48-4	NA		≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; H226, H315, H317, H304												

*Under the Toxic Substances Control Act (TSCA), hydrates are considered as mixtures of their anhydrous salt and water. Accordingly, the CAS Numbers 7487-88-9, 7732-18-5 are used for purposes of TSCA

4. FIRST AID MEASURES

4.1	First Aid:	
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. Never
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s)
	INHALATION:	Remove victim to fresh air at once.
4.2	Medical Conditions Aggravated by Exposure:	
	None known	
		HEALTH 1
		FLAMMABILITY 0
		PHYSICAL HAZARDS 0
		PROTECTIVE EQUIPMENT A
		EYES

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	> 100 °C (> 212 °F)
5.2	Autoignition Temperature:	NA
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	This product is non-flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g.,
5.5	Extinguishing Methods:	NA
5.6	Fire Fighting Procedures:	As in any fire, wear MSHA / NIOSH approved self-contained breathing apparatus (Pressure-demand) and full protective

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills
-----	---------	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Avoid eye contact. Do not eat, drink or smoke when handling this product.
7.2	Storage & Handling:	Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Do not store in damaged or unmarked containers or
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spilled material promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical (e.g.: fans) or natural ventilation is sufficient when this product is in use.
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or
8.3	Eye Protection:	None required under normal conditions of use. Avoid eye contact. May cause irritation
8.4	Hand Protection:	None required under normal conditions of use. May cause skin irritation in some
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities



**9. PHYSICAL & CHEMICAL PROPERTIES**

9.1	Density:	0.95
9.2	Boiling Point:	ND
9.3	Melting Point:	ND
9.4	Evaporation Rate:	ND
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	White to Gray Crystals

9.8	Odor Threshold:	NE	
9.9	Solubility:	Soluble	4 of 7
9.1	pH:	6.5-7	
9.11	Viscosity:	NA	
9.12	Other Information:	NA	

10. STABILITY & REACTIVITY

10.1	Stability: This product is stable
10.2	Hazardous Decomposition Products: Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization: Will not occur.
10.4	Conditions to Avoid: Open flames, sparks and high heat.
10.5	Incompatible Substances: None known or reported.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which
11.2	Acute Toxicity: See Section 2.5
11.3	Chronic Toxicity: See Section 2.6
11.4	Suspected Carcinogen: NE
11.5	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
11.6	Irritancy of Product: See Section 2.3
11.7	Biological Exposure Indices: NE
11.8	Physician Recommendations: Treat syptomatically

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Plants & Animals: There is no specific data for this product.
12.3	Effects on Aquatic Life: There is no specific data for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recycling.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED

14.3	IMDG (OCN): NOT REGULATED	6 of 7
14.4	TDGR (Canadian GND): NOT REGULATED	
14.5	ADR/RID (EU): NOT REGULATED	
14.6	MEXICO (SCT): NOT REGULATED	
14.7	ADGR (AUS): NOT REGULATED	

15. REGULATORY INFORMATION

15.1	SARA Reporting: NA
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt
15.4	CERCLA Reportable Quantity (RQ): NA
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information
15.7	State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Hazard Statemens: None. Risk

16. OTHER INFORMATION

16.1	Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this SDS.
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other governement
16.4	Prepared for: McConnell Labs, Inc.
16.5	Prepared by: McConnell Labs, Inc.



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

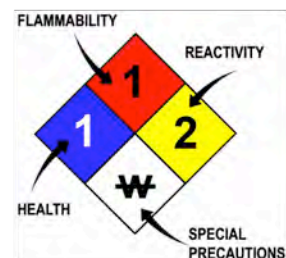
ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 3.1 | SDS Revision Date: 1/30/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Q&Lu Spa Essentials Spa Oil
1.2	Chemical Name: BOTANICAL OIL BLEND
1.3	Synonyms: NA
1.4	Trade Names: Spa Oil
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	This product is NOT classified as a HAZARDOUS SUBSTANCE or a DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and AADG Code (Australia). Hazard Statement (H): None Precautionary Statements (P): None.	
2.2	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
2.3	Effects of Exposure:	INGESTION: If product is swallowed in large quantities may cause diarrhea. EYES & SKIN: Slightly irritating to the eyes. INHALATION: Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.
2.4	Symptoms of Overexposure:	Symptoms of over exposure may include redness, itching and irritation.
2.5	Acute Health Effects:	SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.
2.6	Chronic Health Effects:	No chronic health effects are known, although symptoms and discomfort may occur for several days following over exposure, following
2.7	Target Organs:	Eyes

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Helianthus Annuus Seed Oil	8001-21-6	NA	232-307-2	50-80	NA	NA	NF	NF	NF	NA	NA	NA		
Vitis Vinifera Seed Oil	8024-22-4	NA	273-313-5	20-40	NA	NA	NF	NF	NF	NA	NA	NA		
Lavendula Angustifolia Oil	8000-28-0	NA		≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Asp. Tox 1; Skin Irrit. 2; Skin Sens. 1; Aquatic Chronic 2; H304, H315, H317, H411													
Eucalyptus Globulus Leaf Oil	8000-48-4	NA		≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Flam. Liq. 3; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; H226, H315, H317, H304													
Mentha Piperita Oil	8006-90-4	NA	282-015-4	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		

	Flam. Liq. 4; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; Asp. Tox. 1; H227, H315, H317, H304												
Mentha Viridis Leaf Oil	8008-79-5	NA	283-656-2	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	2 of 9
	Flam. Liq. 4; Asp. Tox. 1; Skin Irrit. 2; Skin Sens. 1; H227, H315, H317, H304												

Ocimum Basilicum Oil	8015-73-4	NA	283-900-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Muta. 2; Carc. 2; Aqua. Chron. 2; H315, H317, 319, H341, H351, H411												
Tocopheryl Acetate	7695-91-2	NA	231-710-0	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid: INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. Never SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) INHALATION: Remove victim to fresh air at once.										
4.2	Medical Conditions Aggravated by Exposure: None known										
	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>A</td> </tr> <tr> <td>EYES</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	A	EYES	
HEALTH	1										
FLAMMABILITY	0										
PHYSICAL HAZARDS	0										
PROTECTIVE EQUIPMENT	A										
EYES											

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is non- flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: NA
5.6	Fire Fighting Procedures: As in any fire, wear MSHA / NIOSH approved self-contained breathing apparatus (Pressure-demand) and full protective gear.


6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid eye contact. Do not eat, drink or smoke when handling this product.
7.2	Storage: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Do not store in damaged or unmarked containers or
7.3	Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spilled material promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical (e.g.: fans) or natural ventilation is sufficient when this product is in use.	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or	
8.3	Eye Protection:	None required under normal conditions of use. Avoid eye contact. May cause irritation	
8.4	Hand Protection:	None required under normal conditions of use. May cause skin irritation in some	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.92
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	clear to slightly amber oily liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.11	Viscosity:	500 cps
9.12	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable
10.2	Hazardous Decomposition Products:	Oxides of carbon and nitrogen.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat.
10.5	Incompatible Substances:	None known or reported.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which
11.2	Acute Toxicity:	See Section 2.5
11.3	Chronic Toxicity:	See Section 2.6
11.4	Suspected Carcinogen:	NE
11.5	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This products is not reported to cause teratogenic effects in humans.

11.7	Biological Effects: Irritation: NE	6 of 9
11.8	Physician Recommendations: Treat syptomatically	

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Plants & Animals: There is no specific data for this product.
12.3	Effects on Aquatic Life: There is no specific data for this product.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recycling.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.	
14.1	49 CFR (GRD): NOT REGULATED
14.2	IATA (AIR): NOT REGULATED
14.3	IMDG (OCN): NOT REGULATED
14.4	TDGR (Canadian GND): NOT REGULATED
14.5	ADR/RID (EU): NOT REGULATED
14.6	MEXICO (CCT): NOT REGULATED
14.7	ADGR (AUS): NOT REGULATED

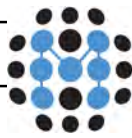
15. REGULATORY INFORMATION

15.1	SARA Reporting: NA
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt
15.4	CERCLA Reportable Quantity (RQ): NA
15.5	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.

15.7	State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Hazard Statemens: None. Risk

16. OTHER INFORMATION

16.1	Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions: Please see last page of this SDS.
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

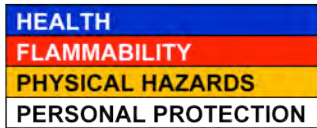
FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.



OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

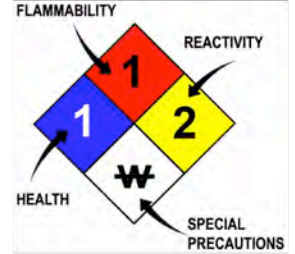
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀ or TC, TC ₀ , LC ₁₀ , & LC ₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 1.0 | SDS Revision Date: 10/4/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE LEpro Remover
1.2	Chemical Name: Acetone
1.3	Synonyms: NA
1.4	Trade Names: none
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! H225 - Highly Flammable, H319 - Causes serious eye irritation, H336 - May cause drowsiness or dizziness, P210 - Keep away from heat, hot surfaces, open flames, sparks - No Smoking, P233 - Keep container tightly closed, P240 - Ground/bond container and receiving equipment, P241 - Use Explosion-proof electrical, lighting, ventilating equipment, P242 - Use only non-sparking tools, P243 - Take precautionary measures against static discharge, P261 - Avoid breathing mist, spray or vapors, P264 - Wash exposed skin thoroughly after handling, P271 - Was only outdoors or in a well-ventilated area, P280 - Wear eye protection, face protection, protective clothing, protective gloves, P303 + P361 + P353 - If on skin or hair: remove/take-off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 - If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing, P305+P351+P338 - If in eyes" Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P312 - Call poison center or doctor/physician if you feel unwell. P337+P313 - If eye irritation persists, get immediate medical attention, P370+P378 - In case of fire: use dry chemical powder, alcohol resistant foam, carbon dioxide (CO2) to extinguish, P403+P223 - Store in a well ventilated place. Keep tightly closed, P405 - Sto locked up, P501 - Dispose of contents/container to comply with local, state and federal regulations, P235 - Keep cool.</p>	
2.2	Inhalation: YES Absorption: YES Ingestion: YES	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
ACETONE	67-64-1	AL3150000	200-662-2	98-100	500	750	250	1000	NF	1000	NA	2500		
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>
4.2	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)

5. FIREFIGHTING MEASURES

3 of 8

5.1	Flashpoint & Method: -20 °C (-4 °F) CC
5.2	Autoignition Temperature: 456 °C (869) °F
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

4 of 8

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.79 g/ml	
9.2	Boiling Point:	56.5 °C (133 °F)	
9.3	Melting Point:	-95 °C (-139 °F)	
9.4	Evaporation Rate:	7.7 (n-butyl acetate = 1.0)	
9.5	Vapor Pressure:	400 @ 39.5 °C	
9.6	Appearance & Color:	Clear liquid	
9.7	Odor Threshold:	NE	
9.8	Solubility:	soluble in water	
9.9	pH:	NA	
9.1	Viscosity:	approximately 5 cps	
9.1	Flash Point:	-20 °C (-4 °F) CC	
9.1	Other Information:	NA	

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.	
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).	
10	Hazardous Polymerization:	Will not occur.	
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.	
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.	

11. TOXICOLOGICAL INFORMATION

5 of 8

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION


12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IMDG (OCN): UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 1.0 L) UN1170, ACETONE SOLUTION, 3, II, LTD QTY (IP VOL ≥ 1.0 L)	
15	ADR/RID (EU): UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	
15	MEXICO (SCT): UN1193 LIQUIDO INFLAMABLES, N.E.P. (ACETONA), 3, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L)	
15	ADGR (AUS): UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II, LTD QTY (IP VOL ≤ 1.0 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): ACETONE: 5,000 lbs (2,270 kg)	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Butyl Acetate is listed on the following state criteria list(s): Delaware Air Quality Management List (DE), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposure Limits for Air Contaminants (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Butyl Acetate: Flammable (F). Harmful (Xi). Risk Phrases (R): 11-36/37/38 - Highly Flammable. Irritating to eyes, skin and respiratory system. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

7 of 8

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
Please see last page of this SDS.

16 Disclaimer:
This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



17 Prepared by:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

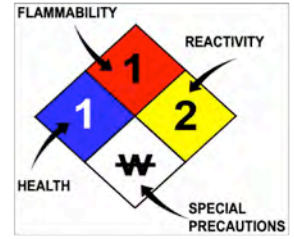
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

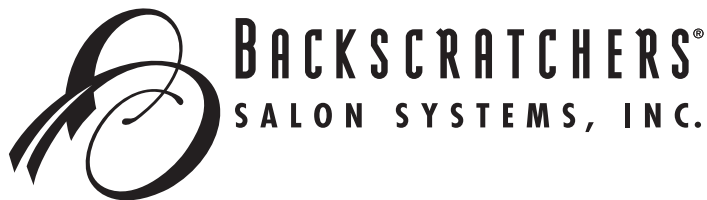
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



Date Prepared: 6/1/2015
MSDS No: Extreme Finish Glaze - GHS
Date-Revised:
Revision No:

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: Cyanoacrylate adhesive product
PRODUCT DESCRIPTION: Extreme Finish Glaze

MANUFACTURER

Backscratchers Salon Systems, Inc.
9068 Elkmont Way
Elk Grove, California 95624

Emergency Contact: CHEM-TEL

Emergency Phone: 800-255-3924 (USA)

Alternate Emergency Phone: 813-248-0585 (Outside USA/Call Collect)

Product Stewardship: Backscratchers Salon Systems, Inc. 916-686-2400

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye irritation, Category 2A
Skin irritation, Category 2
Target Organ Toxicity (single exposure), Category 3
Skin Sensitization, Category 1

GHS LABEL ELEMENTS



Exclamation Mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash skin and hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.



Date Prepared: 6/1/2015
 MSDS No: Extreme Finish Glaze - GHS
 Date-Revised:
 Revision No:

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Response:

P370: In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P313: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal:

7944L501: Dispose of in a manner consistent with federal, state and local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt%	CAS
ETHYL-2-CYANOACRYLATE	85-100	7085-85-0
Polymethyl methacrylate	10-30	9011-14-7

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash with soap and water. Peel or roll skin apart.

INGESTION: Adhesive becomes a solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after detachment. Not a toxic product.

INHALATION: Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.

SIGNS AND SYMPTOMS OF OVER EXPOSURE:

EYES: Causes serious eye irritation. Will bond eyelids. Will cause excessive tearing.

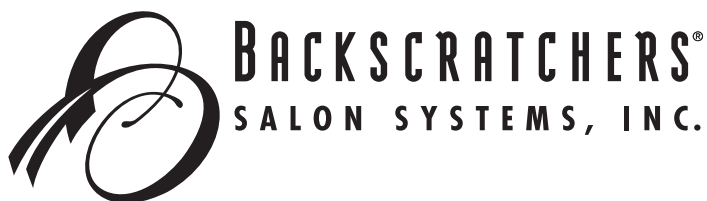
SKIN: Bonds skin in seconds. May cause skin irritation. May cause sensitization by skin contact. Cyanoacrylates generate heat on polymerization, so very large amounts will burn the skin.

INGESTION: Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE TOXICITY: Avoid exposure to vapor concentration in confined areas.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).



Date Prepared: 6/1/2015
 MSDS No: Extreme Finish Glaze - GHS
 Date-Revised:
 Revision No:

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable.

GENERAL HAZARD: Combustible liquid and vapor. Product polymerized to solid by water.

EXTINGUISHING MEDIA: Use dry chemical extinguisher or flush with large amounts of water.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Polymerize with water. Solid material may be scraped from surface.

LARGE SPILL: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL: None known.

7. HANDLING & STORAGE

GENERAL PROCEDURES: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

HANDLING: Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

STORAGE TEMPRATURE: Ideal storage 41-50F (5- 10C)

SHELF LIFE: One year from date of shipment from Backscratchers Salon Systems, unless otherwise noted.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
CHEMICAL NAME		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
ETHYL -2-CYANOACRYLATE	TWA	[1]	[1]	0.2	1.0	0.2 ppm	
OSHA TABLE COMMENTS:							
1. NL = Not Listed							

ENGINEERING CONTROLS: Use only in well-ventilated area. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Use Nitrile gloves and aprons to prevent contact. Do not use PVC, Nylon or Cotton materials.



Date Prepared: 6/1/2015
 MSDS No: Extreme Finish Glaze - GHS
 Date-Revised:
 Revision No:

RESPIRATORY: Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Recommended: Full-face NIOSH-approved respirator with organic vapor cartridge.

WORK HYGIENIC PRACTICES: Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap and water after use.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic odor, intensely irritating.

ODOR THRESHOLD: Odor Threshold = 1 ppm

APPEARANCE: Transparent, colorless liquid.

pH: Not Applicable

PERCENT VOLATILE: Not Available

FLASHPOINT AND METHOD: 86°C (186°F) to 93.4 °C (200°F) TAG CC

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: 485 °C (905 °F) TAG CC

VAPOR PRESSURE: <0.2 mm Hg

VAPOR DENSITY: Not Available

BOILING POINT: >149°C (300 °F)

FREEZING POINT: Not Available

MELTING POINT: Not Determined

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: Not Established

DENSITY: Not Available

SPECIFIC GRAVITY: 1.06 g/mL at 25°C (72 °F)

VISCOSITY #1: 25-50 Centipoise at 22 °C (72°F)

MOLECULAR WEIGHT: Not Available

(VOC): < 20.000 g/L Per SCAQMD Method 316B.

COEFF. OIL/WATER: Partition coefficient (octanol/water): Not applicable

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Avoid temperatures above 176 °F (80 °C), moisture and alkalines.

POSSIBILITY OF HAZARDOUS REACTIONS: Possible polymerization reaction in the presence of water, amines, alkalis and alcohols.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

INCOMPATIBLE MATERIALS: Polymerized by water, alcohol, amines, alkaline materials.

COMMENTS: REACTIVITY: Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.



Date Prepared: 6/1/2015
 MSDS No: Extreme Finish Glaze - GHS
 Date-Revised:
 Revision No:

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
ETHYL -2-CYANOACRYLATE	>5000 mg/kg	>2000 mg/kg

DERMAL LD₅₀: > 2000 mg/kg

Notes: (Estimated)

ORAL LD₅₀: > 5000 MG/kg

Notes: (Estimated)

INHALATION LC₅₀: Vapors may be irritating. Recommended TWA 0.2ppm.

EYE EFFECTS: Bonds to skin and eyes in seconds. Eye irritant.

SKIN EFFECTS: Irritating to skin. May cause allergic skin reaction with prolonged contact.

CARCINOGENICITY:

IARC: None known.

NTP: None known.

OSHA: None Known.

SENSITIZATION: Possible skin sensitizer.

TARGET ORGANS:

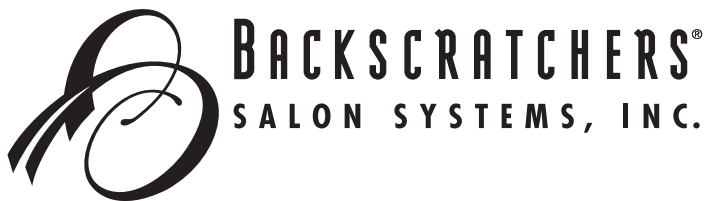
Ingredient	Health Effect/Target Organ
Ethyl cyanoacrylate	Irritant, Allergen/ Respiratory, Skin

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.



Date Prepared: 6/1/2015
 MSDS No: Extreme Finish Glaze - GHS
 Date-Revised:
 Revision No:

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not restricted

ROAD AND RAIL (ADR/RID):

PROPER SHIPPING NAME: Not restricted

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated (less than 500 mL). AVAITION REGULATED LIQUID, N.O.S. (ETHYL CYANOACRYLATE), UN3334, 9.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not restricted

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not restricted

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate Health, Delayed Health, Fire, Reactive.

313 REPORTABLE INGREDIENTS: None above reporting de minimus.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None above reporting de minimus.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
ETHYL-2-CYANOACRYLATE	7085-85-0
Polymethyl methacrylate	9011-14-7

TSCA STATUS: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

CLEAN AIR ACT

40 CFR PART 68- RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not applicable.

CALIFORNIA PROPOSITION 65: No California Proposition 65 ingredients are known to be in this product.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Combustible
Liquid



Toxic

Class B3 - Combustible, DB2 - Irritant



Date Prepared: 6/1/2015
MSDS No: Extreme Finish Glaze - GHS
Date-Revised:
Revision No:

WHMIS CLASS: B3 - combustible D2B - irritant.

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed on or are exempt from listing on the Domestic substances list.

16. OTHER INFORMATION

PREPARED BY: Julie Petrone

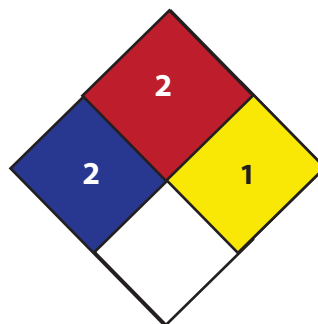
DATE REVISED: June 1, 2015

REVISION SUMMARY: This SDS replaces the July 14, 2008 MSDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Backscratchers Salon Systems, Inc., does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE Sugar Glitters
1.2	Chemical Name: Polyester Resin
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: EXTERNAL USE ONLY, KEEP OUT OF THE REACH OF CHILDREN
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: None
2.2	Routes of Entry: Inhalation: YES Absorption: NO Ingestion: YES
2.3	Effects of Exposure: INGESTION: NA EYES & SKIN: NA INHALATION: NA
2.4	Symptoms of Overexposure: NA
2.5	Acute Health Effects: NA
2.6	Chronic Health Effects: NA
2.7	Target Organs: NA

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77002 (Yellow 10)	21645-51-2	GL8510000	215-573-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77007 (Ultramarine Blue)	57455-37-5	BQ4725000	215-111-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 45410 (Red 28)	18472-87-2	NA	241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Black Iron Oxide)	52357-70-7	NA	257-870-1	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

MICA	12001-26-2	ZF6680000	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (Yellow 5)	12225-21-7	NA	235-428-9	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (Red 48)	18472-87-2	NA	242-355-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (Iron Oxide)	12227-89-3	NA	235-442-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77491 (Iron Oxide)	1309-37-1	NA	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polybutylene Terephthalate	26062-94-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irritant 2; H319												
Polyethylene Terephthalate	25038-59-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI15880 (Red 63)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (Yellow 23 Al Lake)	12225-21-7	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 57)	5281-04-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Prussian Blue)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15880 (Red 34)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 7)	6417-83-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	15792-67-3	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Blue 27)	25869-00-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77266 (Carbon Black)	1333-86-4	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Acrylates Copolymer	25035-69-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380 / CI 47005	146277-66-9 21645-51-2 18472-87-2 17372-87-1 8004-92-0	NA	500-326-8 244-492-7 242-355-6 241-409-6 NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer / Aluminum hydroxide / CI 45410 / CI 45380	146277-66-9 21645-51-2 18472-87-2 17372-87-1	NA	500-326-8 244-492-7 242-355-6 241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polyurethane-33	125826-44-0	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	7429-90-5	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1 First Aid:
INGESTION: If a large quantity is ingested, seek the assistance of a qualified physician.

SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention.		
INHALATION: NA		
4.2 Medical Conditions Aggravated by Exposure: NA	HEALTH	0
	FLAMMABILITY	0
	PHYSICAL HAZARDS	0
	PROTECTIVE EQUIPMENT	B
	EYES SKIN	

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Sweep and dispose of in accordance with local, state and federal laws
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: NA
7.2	Storage & Handling: NA
7.3	Special Precautions: NA

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA

9.3	Melting Point:	ND	
9.4	Evaporation Rate:	NA	4 of 7
9.5	Vapor Pressure:	NA	
9.6	Appearance & Color:	Clear or pigmented solid	
9.7	Odor Threshold:	NE	
9.8	Solubility:	Not soluble	
9.9	pH:	NA	
9.1	Viscosity:	NA	
9.1	Flash Point:	NA	
9.1	Other Information:	NA	

10. STABILITY & REACTIVITY

10	Stability:	Stable
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Flames
11	Incompatible Substances:	None

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity:	See Section 2.5
11	Chronic Toxicity:	See Section 2.6
11	Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product:	See Section 2.3
12	Biological Exposure Indicies:	NE
12	Physician Recommendations:	Treat syptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability:	Stable
12	Effects on Plants & Animals:	There is no specific data availble for this product on plant life.
12	Effects on Aquatic Life:	There is no specific data availble for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS

13	Waste Disposal:	
----	-----------------	--

Dispose in accordance with local, state and Federal waste laws.

5 of 7

13 Special Considerations:

This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14 49 CFR (GRD):

NOT REGULATED

14 IATA (AIR):

NOT REGULATED

14 IMDG (OCN):

NOT REGULATED

14 TDGR (Canadian GND):

NOT REGULATED

15 ADR/RID (EU):

NOT REGULATED

15 MEXICO (SCT):

NOT REGULATED

15 ADGR (AUS):

NOT REGULATED

15. REGULATORY INFORMATION

15 SARA Reporting:

NA

15 SARA Threshold Planning Quantity:

NA

15 TSCA Inventory Status:

All components of this product are listed in the TSCA Inventory or are exempt

15 CERCLA Reportable Quantity (RQ):

NA

16 Other Federal Requirements:

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

16 Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.

16 State Regulatory Information:

NA

16 67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements:

NA

16. OTHER INFORMATION

16 Other Information:

None

16 Terms & Definitions:

Please see last page of this SDS.

16 Disclaimer:

This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:

McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lightelegance.com>



McConnellLabs

17 Prepared by:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lightelegance.com>



McConnellLabs

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards	SDS Revision: 5.3	SDS Revision Date: 11/28/2016
--	-------------------	-------------------------------

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Super Shiny
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: Super Shiny, Pink Super Shiny, Super Sparkle Gold, Super Sparkle Silver, Super Sparkle Pink, Super Sparkle Purple
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								OTHER	
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer Dilution	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Bis-HEMA trimethylhexamethylene diisocyanate	NA	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropylene glycol diacrylate	42978-66-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	0-15	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 15	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl diphenyl phosphine oxide	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Glass	65997-17-3	NA	266-046-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77861 (Tin Oxide)	18282-10-5	NA	242-159-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
Silica	7631-86-9	NA	231-545-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77891 (TiO2, Rutile)	1317-80-2	NA	215-282-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>								
4.2	Medical Conditions Aggravated by Exposure:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	1	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B
HEALTH	1									
FLAMMABILITY	1									
PHYSICAL HAZARDS	0									
PROTECTIVE EQUIPMENT	B									
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)									

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 5,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION



The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: <u>Titanium Dioxide</u> is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). <u>Benzophenone</u> is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear potective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered persuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to sounsult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

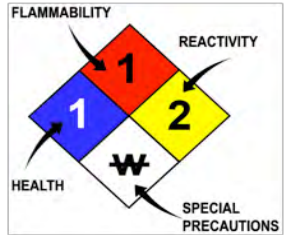
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:



GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 4.5 | SDS Revision Date: 06/21/2019

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE TACK BONDING AGENT
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: none
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	<p>Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as a DANGEROUS GOOD according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H): H224 - Extremely flammable liquid and vapor. H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF)</p>	 
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	<p>Effects of Exposure:</p> <p>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p> <p>INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.</p>	
2.4	<p>Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.</p>	
2.5	<p>Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.</p>	
2.6	<p>Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.</p>	
2.7	<p>Target Organs: Eyes, skin</p>	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Ethyl Acetate	141-78-6	NA	205-500-4	60-100	400	NA	400	1400	NF	400	1400	NA		
Isopropylideneiphenyl bisoxyhydroxypropyl methacrylate	1565-94-2	NA	216-367-7	5-40	NA	NA	NF	NF	NF	NA	####	NA		
BIS-HEA Poly(1,4-butenediol)-9/IPDI Copolymer	73297-27-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	####	NA		
Hydroxypropyl methacrylate	27813-02-1	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Methacryloyloxyethanol Maleate	51978-15-5	NA	NA	0-10	NA	NA	NF	NF	NF	NA	NA	NA		
Methacryloyloxyethanol	868-77-9	NA	NA	0-10	NA	NA	NF	NF	NF	NA	NA	NA		
Methacrylic Acid	79-41-4	NA	201-204-4	0-10	150	200	150	200	NF	200	200	####		
	Flammable Liquid 3; Specific Target Organ Toxicity - Single Exposure 3; H226, H336													
1-Hydroxycyclohexyl Phenylketone	947-13-3	NA	213-426-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
	Accute Tox. Oral 5; Aquatic Acute 3; H225, H319, H402													
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	278-355-8	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>											
4.2	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="background-color: #FFFF00;">PHYSICAL HAZARDS</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #000000; color: white;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">B</td> </tr> <tr> <td colspan="2">EYES SKIN</td> </tr> </table>	HEALTH	1	FLAMMABILITY	3	PHYSICAL HAZARDS	1	PROTECTIVE EQUIPMENT	B	EYES SKIN	
HEALTH	1												
FLAMMABILITY	3												
PHYSICAL HAZARDS	1												
PROTECTIVE EQUIPMENT	B												
EYES SKIN													

5. FIREFIGHTING MEASURES

3 of 8

5.1	Flashpoint & Method: - 20 °C (-4 °F) calculated
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: This product is slightly flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
-----	--

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.9
9.2	Boiling Point:	78 °C
9.3	Melting Point:	ND
9.4	Evaporation Rate:	4.1 (n-butyl acetate = 1)
9.5	Vapor Pressure:	NA
9.6	Appearance & Color:	Clear liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Not soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 300 cps
9.1	Flash Point:	- 20 °C calculated
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

5 of 8

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION


12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds. Butyl Acetate: $K_{oc} = 1.82$. Water Solubility: 120 parts H₂O at 25 °C (77 °F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation. This compound's half life is 6.1 hours.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14	IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN 1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 5.0 L)	
14	IMDG (OCN): UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 5.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMITEE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 5.0 L) UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 5.0 L)	
15	ADR/RID (EU): UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 5.0 L)	
15	MEXICO (SCT): UN1263 PINTURA, 3, II, CANTIDAD LIMITADA (IP VOL ≤ 5.0 L)	
15	ADGR (AUS): UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 5.0 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): Ethyl Acetate: 5,0000 lbs (2,270 kg)	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ethyl Acetate is not listed on the any state criteria list(s). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), new York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Acetone: Flammable (F). Harmful (Xi). Risk Phrases (R): 11-36/37/38 - Highly Flammable. Irritating to eyes, skin and respiratory system. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains. Keep away from sources of ignition - No Smoking. Avoid contact with skin and eyes, rinse immediately with plenty of water and seek medical advice.	

16. OTHER INFORMATION

7 of 8

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
Please see last page of this SDS.

16 Disclaimer:
This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418



17 Prepared by:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL ₀₁	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:


GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards | SDS Revision: 3.6 | SDS Revision Date: 10/15/2018

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance Top Gloss
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: Top Gloss, Pink Top Gloss
1.5	Product Use: PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: MCCONNELL LABS, INC.
1.7	Manufacturer's Address: 406 SW UMATILLA AVE, REDMOND, OR 97756 USA
1.8	Emergency Phone: CHEMTREC: +1 703 527 3887 / +1 800 424 9300 (CCN 696869)
1.9	Business Phone / Fax: +1 541 526 1417 / +1 541 526 1418

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).	
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES	
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.	
2.4	Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.	
2.5	Acute Health Effects: Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.	
2.6	Chronic Health Effects: The material may cause an allergic reaction for some sensitive individuals.	
2.7	Target Organs: Eyes, skin	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer Dilution	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylolpropane trimethacrylate	3290-92-4	NA	NA	1-15	NA	NA	NF	NF	NF	NA	NA	NA		
Tripropyleneglycol diacrylate	42978-66-5	NA	NA	1-15	NA	NA	NF	NF	NF	NA	NA	NA		
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 15	NA	NA	NF	NF	NF	NA	NA	NA		
Trimethylbenzoyl Diphenylphosphine Oxide	75980-60-8	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Skin Sens. 1; Aquatic Chronic 4; H317, H413														
MAY ALSO CONTAIN:														
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10))	8004-92-0	NA	305-897-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxides)	1309-37-1	NO7420000	215-168-2	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI77499 (Iron Oxides)	12227-89-3	NA	215-277-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		

** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.

4. FIRST AID MEASURES

4.1	First Aid:	
	INGESTION:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soak and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.
	INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.
4.2	Medical Conditions Aggravated by Exposure:	
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	
		HEALTH 1
		FLAMMABILITY 1
		PHYSICAL HAZARDS 0
		PROTECTIVE EQUIPMENT B
		EYES SKIN

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: > 100 °C (> 212 °F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods: Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of
-----	---

7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices: Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling: Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions: Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard: soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.1
9.2	Boiling Point:	NA
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	NE
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.1	Viscosity:	approximately 5,000 cps
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

11	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product which are found in scientific literature. These data have not been presented in this document.
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indices: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12	Effects on Plants & Animals: There is no specific data available for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.



13. DISPOSAL CONSIDERATIONS

13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.



14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.	
14	49 CFR (GRD): NOT REGULATED
14	IATA (AIR): NOT REGULATED
14	IMDG (OCN): NOT REGULATED
14	TDGR (Canadian GND): NOT REGULATED
15	ADR/RID (EU): NOT REGULATED
15	MEXICO (SCT): NOT REGULATED
15	ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: Ingredients in this mixture are found on the following state criteria lists: Titanium Dioxide is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary components of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	

16. OTHER INFORMATION

16	Other Information: WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.	
16	Terms & Definitions: Please see last page of this SDS.	
16	Disclaimer: This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.	
16	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	
17	Prepared by: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417 Fax: +1 541 526 1418 http://www.lighttelescope.com	

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

HAZARD RATINGS:

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
-----	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

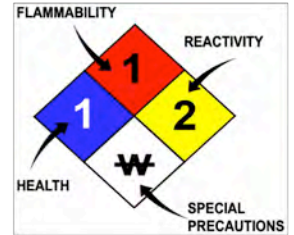
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₅₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{OW} or log K _{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m3)								
					ACGIH		NIOSH			OSHA			OTHER
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
Glacial Methacrylic Acid	79-41-4	NA	201-204-4	<99.5	20	NA	20	NA	NF	NA	NA	NA	
Tocopheryl Acetate (Vitamin E)	58-95-7	GP820000	200-405-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid:	<p>INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.</p> <p>SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.</p> <p>INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.</p>
4.2	Medical Conditions Aggravated by Exposure:	
	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	
		Target Organs:
		EYES SKIN LUNGS

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method:	77.22 °C (171 °F) Closed Cup
5.2	Autoignition Temperature:	68 °C (154 °F)
5.3	Flammability Limits:	Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards:	This product is combustible. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)
5.5	Extinguishing Methods:	Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH approved, self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before return to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</p>
-----	---------	--

7. HANDLING AND STORAGE INFORMATION

3 of 7

7.1	Work & Hygiene Practices:	Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.
7.2	Storage & Handling:	Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. KEEP AWAY FROM CHILDREN AT ALL TIMES!
7.3	Special Precautions:	Do not store where temperatures can exceed 50 °C (122 °F).

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye wash station).	
8.2	Respiratory Protection:	No special respiratory protections is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR § 1910.134, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia.	
8.3	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.	
8.4	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves.	
8.5	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., . 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.015
9.2	Boiling Point:	163 °C (325 °F)
9.3	Melting Point:	16 °C (61 °F)
9.4	Evaporation Rate:	<1 n-Butyl Acetate
9.5	Vapor Pressure:	0.131 kPa @ 25°C
9.6	Appearance & Color:	Clear liquid
9.7	Odor Threshold:	NE
9.8	Solubility:	Soluble
9.9	pH:	NA
9.1	Viscosity:	approximately 25 cps
9.1	Flash Point:	77 °C (171 °F) calculated
9.1	Other Information:	NA

10. STABILITY & REACTIVITY

10	Stability:	Relatively stable under ambient conditions when stored properly.
10	Hazardous Decomposition Products:	If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon and nitrogen).
10	Hazardous Polymerization:	Will not occur.
10	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks and flame.
11	Incompatible Substances:	Strong oxidizers, peroxides, strong acids or alkalis.

11. TOXICOLOGICAL INFORMATION

4 of 7

11	Toxicity Data: Performed by the manufacturer of the methacrylic acid Acute Oral Toxicity: LD50: 1060 mg/kg Species: Rat Acute Inhalation Toxicity: LD50: 7.1 mg/l Exposure time: 4 hrs Species: Rat Acute Dermal Toxicity: LD50: 500 mg/kg Species: Rabbit
11	Acute Toxicity: See Section 2.5
11	Chronic Toxicity: See Section 2.6
11	Suspected Carcinogen: The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
12	Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This products is not reported to cause teratogenic effects in humans.
12	Irritancy of Product: See Section 2.3
12	Biological Exposure Indicies: NE
12	Physician Recommendations: Treat symptomatically

12. ECOLOGICAL INFORMATION

12	Environmental Stability: This product will slowly evaporate from soil. Components of this product will slowly decompose into organic compounds. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization and biodegradation.
12	Effects on Plants & Animals: There is no specific data availble for this product on plant life.
12	Effects on Aquatic Life: There is no specific data available for this product on aquatic life.

13. DISPOSAL CONSIDERATIONS



13	Waste Disposal: Dispose in accordance with local, state and Federal waste laws.
13	Special Considerations: This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADR and the CTDGR.

14	49 CFR (GRD): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) - UNTIL 12/31/2020 UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 1.0 L)	
14	IATA (AIR): Passenger Aircraft: UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L) Cargo Aircraft: UN1760, Corrosive Liquids N.O.S., 8, III, (IP VOL ≤ 30.0 L)	
14	IMDG (OCN): UN1760, Corrosive Liquids N.O.S., 8, II, (IP VOL ≤ 10.0 L)	
14	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" OR "QUANTITE LIMUTE" OR "LTD QTY" OR "QUANT LTEE" (IP VOL ≤ 0.5 L) UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
15	ADR/RID (EU): UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
15	MEXICO (SCT): UN1760, Corrosivo Liquidos N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	
15	ADGR (AUS): UN1760, Corrosive Liquids N.O.S., 8, II, LTD QTY (IP VOL ≤ 0.5 L)	

15. REGULATORY INFORMATION

15	SARA Reporting: NA	
15	SARA Threshold Planning Quantity: NA	
15	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt	
15	CERCLA Reportable Quantity (RQ): NA	
16	Other Federal Requirements: This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
16	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are on the Priorities Substances List.	
16	State Regulatory Information: No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances list, (MN), New Jersey Right-to-Know List (NJ), new York Hazardous Substances List (NY), Pennsylvania Right-to-Know list (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
16	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: The primary cononent of this product is listed in Annex 1 of EU Directive 67/548/EEC. Methacrylic Acid: Harmful (Xi). Risk Phrases (R): See section 2.1	

16. OTHER INFORMATION

6 of 7

16 Other Information:
WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN.

16 Terms & Definitions:
Please see last page of this SDS.

16 Disclaimer:
This Safety Data Sheet (SDS) is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of McConnell Labs' knowledge, the information contained herein is reliable and accurate as of the date it was prepared; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16 Prepared for:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



17 Prepared by:
McConnell Labs, Inc.
406 SW Umatilla Ave
Redmond, OR 97756 USA
Tel: +1 541 526 1417
Fax: +1 541 526 1418
<http://www.lighttelescope.com>



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
----------------	----------------------------------

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Synthetic Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

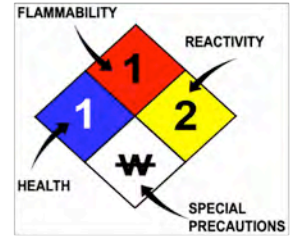
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{OW} or log K_{OC}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment