

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	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														
BISGMA	1565-94-2			5-10	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxypropyl Methacrylate	27813-02-1	NA	NA	5-10	NA	NA	NF	NF	NF	NA	NA	NA		
Glacial Methacrylic Acid	79-41-4	NA	NA	0.1-1.0	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>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

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5.1	Flashpoint & Method: - 4°C (24.8 °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.
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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

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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 (172 °F)
9.3	Melting Point:	ND
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	9.9 kPa @ 20°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:	- 4°C (24.8 °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

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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): Limited Quantity: UN1173, Ethyl Acetate, 3, II, LTD QTY (IP≤1.0L) Fully Regulated: UN1173, Ethyl Acetate, 3, II (IP>1.0L)	
14.2	IATA (AIR): Passenger Aircraft: Excepted Quantity: UN1173, Ethyl Acetate, 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: ID8000 Consumer Commodity, 9, LTD QTY (IP≤0.5 L) Maximum Quantity Allowed: 35 Kg Fully Regulated: UN1173, Ethyl Acetate, 3, II (IP>0.5 L ≤10.0 L) Maximum Quantity Allowed: 5 L Net Air Cargo Only: Fully regulated: UN1173, Ethyl Acetate, 3, II (IP>1.0 L ≤10.0 L) Maximum Quantity Allowed: 60 L Net	
14.3	IMDG (OCN): Excepted Quantity: UN1173, Ethyl Acetate, 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: UN1173, Ethyl Acetate, LTD QTY (IP≤1.0 L) Maximum Quantity Allowed: 1 L Net Fully Regulated: UN1173, Ethyl Acetate, 3, II (IP>1.0 L ≤40.0 L) Maximum Quantity Allowed: 400 Kg Net	
14.4	TDGR (Canadian GND): Limited Quantity: UN1173, Ethyl Acetate, 3, II, LTD QTY (IP≤1.0 L)	
14.5	ADR/RID (EU): Limited Quantity: UN1173, Ethyl Acetate, 3, II, LTD QTY (IP≤1.0 L)	
14.6	MEXICO (SCT): UN1173, Acetato de Etilo, 3, II, LTD QTY (IP≤1.0 L)	
14.7	ADGR (AUS): Limited Quantity: UN1173, Ethyl Acetate, 3, II, LTD QTY (IP≤1.0 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: 5,000 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/NDSL. 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 producd, 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)	
15.8	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.

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 breathe 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

16.1	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	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	 McConnell Labs
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.lightelligence.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
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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.
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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

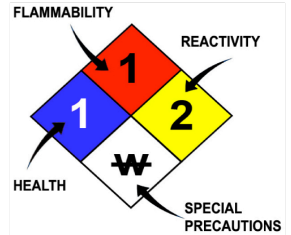
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 ButterCream and ButterBling Color Gels
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: ButterCream Color Gel, ButterBling 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	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 PolyNeopentyl Glycol Adipate / IPDI Copolymer	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		
Hydroxycyclohexyl phenylketone	947-19-3	NA	278-355-8	0-5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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	≤5	NA	NA	NF	NF	NF	NA	NA	NA		
CI 15850 (Red 6)	5858-81-1	NA	227-497-9	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10)	8004-92-0 21645-51-2	GL8510000	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77007 (Ultramarine Blue)	57455-37-5	BQ4725000	215-111-1	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 45410 (Red 28)	18472-87-2	NA	241-409-6	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Black Iron Oxide)	52357-70-7	NA	257-870-1	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
MICA	12001-26-2	ZF6680000	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 16035 (Red 40)	25956-17-6	VV8760000	247-368-0	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 19140 (Yellow 5)	12225-21-7	NA	235-428-9	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 45410 (Red 48)	18472-87-2	NA	242-355-6	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77499 (Iron Oxide)	12227-89-3	NA	235-442-5	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77491 (Iron Oxide)	1309-37-1	NA	215-168-2	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
Polybutylene Terephthalate	26062-94-2	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA		
	Eye Irritant 2; H319													
Polyethylene Terephthalate	25038-59-9	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA		

C115880 (Red 63)	6417-83-0	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
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CI 19140 (Yellow 23 Al Lake)	12225-21-7	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 57)	5281-04-9	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Prussion Blue)	25869-00-5	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15880 (Red 34)	6417-83-0	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 7)	5281-04-9	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	15792-67-3	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (Blue 27)	25869-00-5	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77266 (Carbon Black)	1333-86-4	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
Acrylates Copolymer	25035-69-2	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer	NA	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum hydroxide													
CI 47005	21645-51-2		244-492-7										
CI 45410	8004-92-0		305-632-3										
CI 45380	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer	NA	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum hydroxide													
CI 45410	21645-51-2		244-492-7										
CI 45380	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Polyurethane-33	125826-44-0	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
Aluminum	7429-90-5	NA	NA	≤1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (Violet #2)	81-48-1	NA	201-353-5	≤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

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: 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.
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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.	
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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
9.11	Flash Point:	NA
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

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 Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
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 Indicies:	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 availble 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/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: 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).	
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:	<p>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>
16.2	Terms & Definitions:	Please see last page of this SDS.
16.3	Disclaimer:	<p>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>
16.4	Prepared for:	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>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</p> </div> <div style="flex: 1; text-align: center;">  <p style="font-size: 24px; color: #0070C0; margin: 0;">McConnellLabs</p> </div> </div>
16.5	Prepared by:	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>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</p> </div> <div style="flex: 1; text-align: center;">  <p style="font-size: 24px; color: #0070C0; margin: 0;">McConnellLabs</p> </div> </div>

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
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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.
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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:

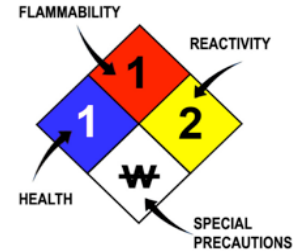
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

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	Wassergefährungsklassen (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		NOHSC			OSHA			OTHER	
					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

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:	<p>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)</p>	
5.5	Extinguishing Methods:		Water, Foam, CO2, Dry Chemical
5.6	Fire Fighting Procedures:		<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 return to service.</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). 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>
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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:	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

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

14	49 CFR (GRD): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II, LTD QTY (IP≤1.0L) Fully Regulated: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>1.0L)	
14	IATA (AIR): Passenger Aircraft: Excepted Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: ID8000 Consumer Commodity, 9, LTD QTY (IP≤0.5 L) Maximum Quantity Allowed: 35 Kg Fully Regulated: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>0.5 L ≤10.0 L) Maximum Quantity Allowed: 5 L Net Air Cargo Only: Fully regulated: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>1.0 L ≤10.0 L) Maximum Quantity Allowed: 60 L Net	
14	IMDG (OCN): Excepted Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), LTD QTY (IP≤1.0 L) Maximum Quantity Allowed: 1 L Net Fully Regulated: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>1.0 L ≤40.0 L) Maximum Quantity Allowed: 400 Kg Net	
14	TDGR (Canadian GND): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II, LTD QTY (IP≤ 1.0 L)	
15	ADR/RID (EU): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II, LTD QTY (IP≤ 1.0 L)	
15	MEXICO (SCT): UN1173, UN1993, Líquido Inflamable, N.O.S. (Acetona de isopropanol, solución), 3, II, LTD QTY (IP≤ 1.0 L)	
15	ADGR (AUS): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II, LTD QTY (IP≤ 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/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 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 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>



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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.
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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" style="width: 100%;"> <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" style="width: 100%;"> <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																									
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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

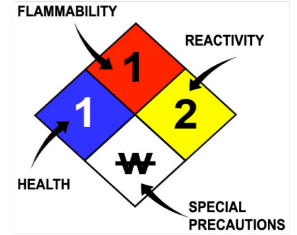
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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: 4.20 | SDS Revision Date: 3/7/2023

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. 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.	
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.	
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	82339-16-0	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	LD50 > 5000mg/kg (oral) and LD50 >3000mg/kg (dermal)	
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA	NOAEL (rat): 300 mg/kg bw/day	
Tripolyleneglycol Diacrylate	42978-66-5	NA	NA	5-13	NA	NA	NA	NA	NF	NA	NA	NA		
Hydroxycyclohexyl phenylketone	947-19-3	NA	278-355-8	0-5	NA	NA	NF	NF	NF	NA	NA	NA	NOAEL (rat): 375 mg/kg bw/day	
BIS-Trimethylbenzoyl Phenylphosphine	162881-26-7	NA	NA	0.1 - 5	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)	5858-81-1	NA	227-497-9	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 47005 (Yellow 10)	8004-92-0 21645-51-2	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77007 (Ultramarine Blue)	12769-96-9	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)	1317-61-9	NA	216-277-5	≤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)	1317-61-9	NA	216-277-5	≤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)	5281-04-9	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	3844-45-9	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 47005 CI 45410 CI 45380	NA 21645-51-2 8004-92-0 18472-87-2 17372-87-1	NA	NA 244-492-7 305-632-3 242-355-6 241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Bis(glycidoxyphenyl)propylene/Bisaminomethylnorbornane Copolymer Aluminum hydroxide CI 45410 CI 45380	NA 21645-51-2 18472-87-2 17372-87-1	NA	NA 244-492-7 242-355-6 241-409-6	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Polyurethane-33	NA	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	<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: NA</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"> <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

4 of 8

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
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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 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:	NA
9.6	Appearance & Color:	Clear or pigmented liquid
9.7	Odor Threashold:	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:	Exposure or contact to extreme temperatures, incompatable chemicals, strong light sources, sparks and flame.
11	Incompatable 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 produ t 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.
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	<p>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.</p>	
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. 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 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 sonsult 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.
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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

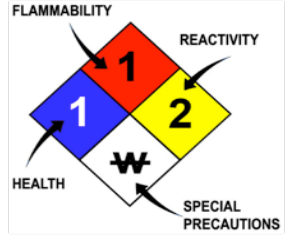
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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

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>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:	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:	<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>
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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 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:	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.



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
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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

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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	 McConnellLabs
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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

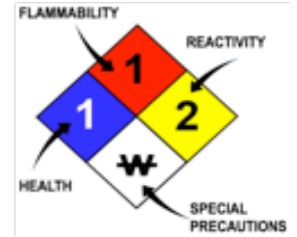
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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:

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: 5.6 | SDS Revision Date: 3/7/2023

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	<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		
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	60676-86-0	NA	NA	1-8	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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%;"> <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>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	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 container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of</p>
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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, nose 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 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>



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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.
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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

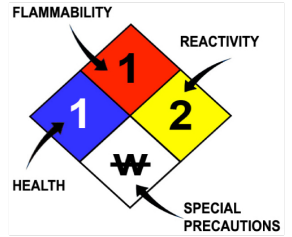
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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
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: 1.7 | SDS Revision Date: 8/7/2023

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE JimmyGel
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: Soft Pink JimmyGel, Ideal Pink JimmyGel, Natural JimmyGel, Boomer White JimmyGel, Delicate JimmyGel
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/m3)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
Bis-HEA IPDI / PPG-53 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		
Di-HEMA Trimethylhexyl Dicarbamate	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA		
Isobutyl Methacrylate	97-86-9	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA		
PEG-4 Dimethacrylate	25852-47-5	NA	NA	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		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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)	<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>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

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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.
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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

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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:	NA
9.7	Appearance & Color:	Clear or pigmented liquid
9.8	Odor Threshold:	NE
9.9	Solubility:	Not soluble
9.1	pH:	NA
9.11	Viscosity:	approximately 15,000 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

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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 International 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 product 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 volatilize 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/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: This information can be searched online	
16.3	Disclaimer: This Safety Data Sheet (SDS) is offered persuant 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	

Prepared to OSHA, ANSI, NOHSC, WHMIS, 1002/58 & 1272/2008/EC Standards	SDS Revision: 5.6	SDS Revision Date: 2/8/2024
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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, Ideal 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		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Bis-trimethylbenzoyl phenylphosphine oxide	162881-26-7	NA	NA	0.1 - 5	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 21645-51-2	NA	NA	≤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)	<table border="1"> <tbody> <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> </tbody> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES SKIN	
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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: 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.
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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).	
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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
9.11	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, incompatible chemicals, strong light sources, sparks and flame.
10.5	Incompatible 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 International Agency for Research on Cancer or the American Conference of Government Industrial Hygienists.
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12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: This product will slowly volatilize 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 persuant 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 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.lightelegance.com	 McConnell Labs
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.lightelegance.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
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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.
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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

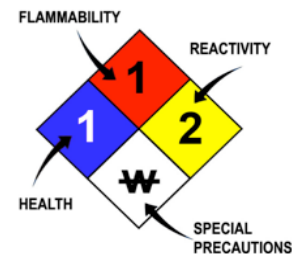
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 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: 3.8	SDS Revision Date: 3/7/2023
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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, COVER PINK BUILDER, DELICATE PEACH
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	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	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	60676-86-0	NA	310-060-2	1-8	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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 21645-51-2	NA	NA	≤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;">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>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	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.
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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 persuant 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 sconsult 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	 McConnellLabs
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	 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

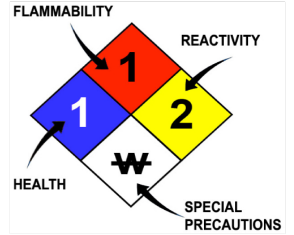
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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
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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 COOL GEL
1.2	Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND
1.3	Synonyms: NA
1.4	Trade Names: Cool Gel, Natural Pink Cool Gel
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	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		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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		
CI 60725 (Violet #2)	81-48-1	NA	NA	≤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 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.
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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
9.11	Viscosity:	approximately 160,000 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

11.1	<p>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.</p>
11.2	<p>Acute Toxicity: See Section 2.5</p>
11.3	<p>Chronic Toxicity: See Section 2.6</p>
11.4	<p>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.</p>
11.5	<p>Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.</p> <p>Mutagenicity: This product is not reported to produce mutagenic effects in humans.</p> <p>Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.</p> <p>Teratogenicity: This product is not reported to cause teratogenic effects in humans.</p>
11.6	<p>Irritancy of Product: See Section 2.3</p>
11.7	<p>Biological Exposure Indices: NE</p>
11.8	<p>Physician Recommendations: Treat symptomatically</p>

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS



13.1	<p>Waste Disposal: Dispose in accordance with local, state and Federal waste laws.</p>
13.2	<p>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.</p>

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

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 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.lightelegance.com	
16.5	Prepared by:	



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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
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ML	Maximum Limit
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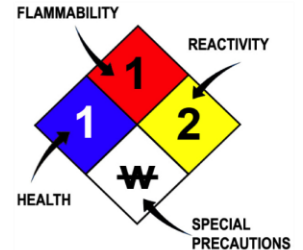
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

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ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



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TD ₁₀ , LD ₁₀ , & LD ₀ or TC, TC ₀₁ , LC ₁₀ , & LC ₀	Lowest dose (or concentration) to cause lethal or toxic effects
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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
					Harmful	Health		

UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
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Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment
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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 Polyneopentylglycol Adipate/IPDI Copolymer	82339-16-0	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		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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	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 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" style="width: 100%;"> <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 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.
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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
9.11	Viscosity:	approximately 300,000 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

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 International 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 product 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 volatilize 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 persuant 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 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.lightelegance.com	 McConnell Labs
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.lightelegance.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
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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.
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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:

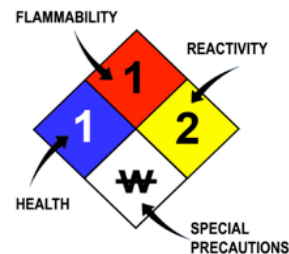
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

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 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 _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: 5.10 | SDS Revision Date 3/7/2023

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-HEMA Poly(neopentyl Glycol Adipate)/ IPDI Copolymer Dilution	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		
Calcium Aluminum Borosilicate	65997-17-3	NA	266-046-0	1-8	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		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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:	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>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	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.
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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 sconsult 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	 McConnell Labs
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	 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
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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.
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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

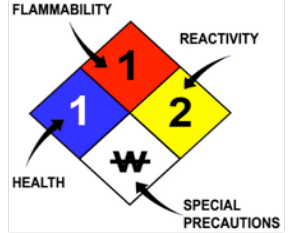
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 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: 4.9	SDS Revision Date: 7/29/2025
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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): H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P223 - Keep container tightly closed. 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 IPDI / PPG-53 Copolymer	NA	NA	NA	30-50	NA	NA	NA	NA	NF	NA	NA	NA		
Bis-HEA Poly(1,4-butanediol)-9 / IPDI Copolymer	NA	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA		
Bis-HEMA Polyneopentyl Glycol Adipate/ IPDI Copolymer	82339-16-0	NA	NA	15-30	NA	NA	NA	NA	NF	NA	NA	NA		
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 Methacrylate	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		
Hydroxycyclohexyl phenylketone	947-19-3	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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 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 47005 (Yellow 10)	8004-92-0 21645-51-2	NA	NA	≤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 77891 (Iron Oxide)	13463-67-7	NA	236-675-5	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Nickel	7440-02-0	NA	231-111-4	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
Nickel Oxide	1314-06-3	NA	215-217-8	≤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	
Aluminum Oxide	1344-28-1	NA	215-691-6	≤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)	5281-04-09	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (Blue 1)	3844-45-9	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 47005 CI 45410 CI 45380	NA	NA	NA	≤0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	21645-51-2		244-492-7										
	8004-92-0		305-632-3										
	18472-87-2		242-355-6										
	17372-87-1		241-409-6										
Bis(glycidoxyphenyl)propane/Bisaminomethylnorbornane Copolymer Aluminum hydroxide CI 45410 CI 45380	NA	NA	NA	≤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	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

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</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</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>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	Fire Fighting Procedures:	First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH	



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>	
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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 devises. 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
9.11	Flash Point:	26.7 °C (80 °F), calc
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

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.
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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 Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
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 Indicies: 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	
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).	
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 consult the latest edition.	
16.4	Prepared for: McConnell Labs, Inc. 406 SW Umatilla Ave Redmond, OR 97756 USA Tel: +1 541 526 1417	 McConnell Labs
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	 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
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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.
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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:

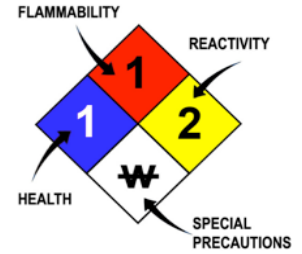
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

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

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/TMDI Copolymer	NA	NA	NA	60-100	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate / IPDI Copolymer	NA	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA		
Di-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		
Hydroxycyclohexyl Phenyl Ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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%;"> <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												
	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 municipal sewers and open bodies of water.
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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 previous 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
9.11	Viscosity:	approximately 2,000 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

11.1	<p>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.</p>
11.2	<p>Acute Toxicity: See Section 2.5</p>
11.3	<p>Chronic Toxicity: See Section 2.6</p>
11.4	<p>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.</p>
11.5	<p>Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans.</p> <p>Mutagenicity: This product is not reported to produce mutagenic effects in humans.</p> <p>Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.</p> <p>Teratogenicity: This products is not reported to cause teratogenic effects in humans.</p>
11.6	<p>Irritancy of Product: See Section 2.3</p>
11.7	<p>Biological Exposure Indicies: NE</p>
11.8	<p>Physician Recommendations: Treat syptomatically</p>

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

13.1	<p>Waste Disposal: Dispose inaccordance with local, state and Federal waste laws.</p>
13.2	<p>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.</p>



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	<p>49 CFR (GRD): NOT REGULATED</p>
14.2	<p>IATA (AIR): NOT REGULATED</p>
14.3	<p>IMDG (OCN): NOT REGULATED</p>
14.4	<p>TDGR (Canadian GND): NOT REGULATED</p>
14.5	<p>ADR/RID (EU): NOT REGULATED</p>
14.6	<p>MEXICO (SCT): NOT REGULATED</p>

14.7	ADGR (AUS): NOT REGULATED
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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: NA	
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 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.lightelegance.com	 McConnellLabs
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.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
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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.
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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

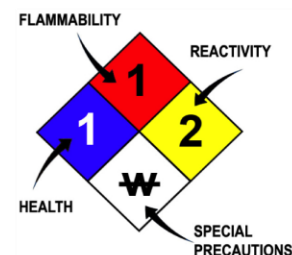
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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: 1.1 SDS Revision Date: 7/29/2025

1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE P+ No Wipe
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

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): 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	
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	40-80	NA	NA	NA	NF	NF	NF	NA	NA	NE	
Bis-HEMA Polyneopentyl Glycol Adipate/IPDI Copolymer	NA	NA	NA	10-50	NA	NA	NF	NF	NF	NA	NA	NA		
Di-HEMA Trimethylhexamethylene Diisocyanate	NA	NA	NA	10-50	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		
Hydroxycyclohexyl Phenyl Ketone	947-19-3	NA	213-426-9	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
Pentaerythritol tetrakis(3-mercaptopropionate)	7575-23-7	NA	231-472-8	0.1 - 5	NA	NA	NF	NF	NF	NA	NA	NA		
MAY CONTAIN:														
Silica	7631-86-9	NA	231-545-4	<0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CI 77891 (Titanium Dioxide)	13463-67-7	NA	236-675-5	<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 77000 (Aluminum Powder)	7429-90-5	NA	231-072-3	<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

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.
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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 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 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 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 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 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	

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

2 of 7

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
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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, 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

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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	 McConnell Labs
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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.
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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	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:

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		
Bis-HEA Poly (propylene glycol)-53 / IPDI Copolymer	NA	NA	NA	10-40	NA	NA	NF	NF	NF	NA	NA	NA		
Isopropylideneiphenyl bisoxyhydroxypropyl methacrylate	1565-94-2	NA	216-367-7	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		
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		
Hydroxycyclohexyl phenylketone	947-19-3	NA	213-426-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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>										
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5. FIREFIGHTING MEASURES

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 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.
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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:	> 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
9.11	Flash Point:	NA
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

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 International 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 product 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 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.
12.2	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): BUTYL 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: 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)	
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. 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

16.1	<p>Other Information:</p> <p>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>	
16.2	<p>Terms & Definitions:</p> <p>Please see last page of this SDS.</p>	
16.3	<p>Disclaimer:</p> <p>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>	
16.4	<p>Prepared for:</p> <p>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</p>	 <p>McConnell Labs</p>
16.5	<p>Prepared by:</p> <p>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</p>	 <p>McConnell Labs</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
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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.
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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

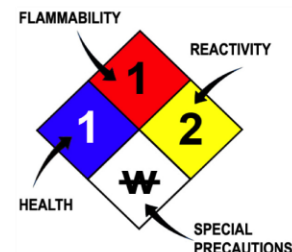
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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: 1.2 | SDS Revision Date: 3/7/2023

1. PRODUCT IDENTIFICATION

1.1	Product Name: Light Elegance QDBase
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	
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	20-50	NE	NE	NE	NE	NE	NE	NE	NE	NE	
Acrylates Copolymer	25133-97-5	NA	NA	10-30	NE	NE	NE	NE	NE	NE	NE	NE	NE	
Isobornyl Methacrylate	7534-94-3	NA	231-403-1	10-30	NE	NE	NE	NE	NF	NE	NE	NE		
Isobutyl Methacrylate	97-86-9	NA	202-613-0	5-25	NE	NE	NE	NE	NF	NE	NE	NE		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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</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 style="background-color: #000000; color: white;">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	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>
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7. HANDLING AND STORAGE INFORMATION

7.1	Work & Hygiene Practices:
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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:	< 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

4 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 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 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

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



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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

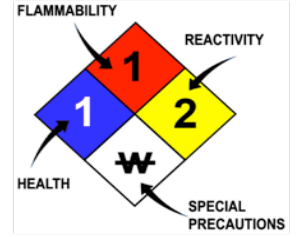
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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: 2.0 SDS Revision Date: 3/4/2020

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		
Vitis Vinifera Seed Oil	8024-22-4	NA	NA	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Cetearyl Olivatate	85116-80-9	NA	NA	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Palmitic Acid	57-10-3	NA	200-312-9	3-10	NA	NA	NF	NF	NF	NA	NA	NA		
Shea butter	68424-60-2	NA	270-311-6	3-10	NA	NA	NF	NF	NF	NA	NA	NA		

(Butyrospermum parkii)													
Sorbitan Olivatate	223706-40-9	NA	NA	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	
Stearic Acid	57-11-4	NA	200-313-4	3-10	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												
Citric Acid	77-92-9	NA	201-069-1	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irrit. 2B												
Silver Citrate	36701-38-9	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Eye Irrit. 2B												
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			
4.1	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
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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 Threshold:	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 inaccordance with local, state and Federal waste laws.
13.2	Special Considerations: Packaging should be emptied as much as possible and after rinsing, sent for recvclng.

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

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TLV	Threshold Limit Value
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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.
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1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

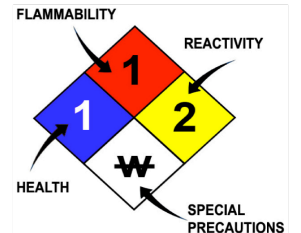
HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A		G	
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0	Minimal Hazard
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COR	Corrosive
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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
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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

REGULATORY INFORMATION:

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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

L	  	R	  
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:	
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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)									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	50-80	NA	NA	NA	NF	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 Arundinacea Stem Extract	91771-32-3	NA	294-923-8	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		
Palmitic Acid	57-10-3	NA	200-312-9	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	
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	
Citric Acid	77-92-9	NA	201-069-1	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Silver Citrate	36701-38-9	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 Leaf Oil	68647-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
Ocimum Basilicum Oil	8015-73-4	NA	NA	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
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:	
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7. HANDLING AND STORAGE INFORMATION

4 of 7

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 recylcing.

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

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

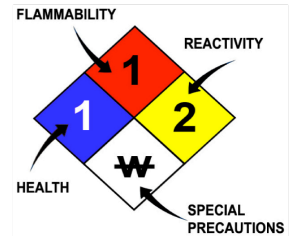
PERSONAL PROTECTION RATINGS:

<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.
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X	Consult your supervisor or SOPs for special handling directions.																								

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
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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:

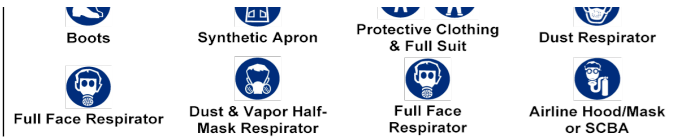
LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD 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



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

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: 2/3/2020

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		
Sea Salt	7647-14-5	NA	231-598-3	30-60	NA	NA	NF	NF	NF	NA	NA	NA		
Aqua	7732-18-5	NA	231-791-2	30-60	NA	NA	NA	NF	NF	NA	NA	NE		
Magnesium Sulfate	7487-88-9	NA	231-298-2	30-60	NA	NA	NA	NF	NF	NA	NA	NE		
Magnesium Sulfate (heptahydrate)	10034-99-8	NA	231-298-2	30-60	NA	NA	NA	NF	NF	NA	NA	NE		
Sodium Cocoyl Iseothionate	61789-32-0	NA	263-052-5	1-10	NA	NA	NF	NF	NF	NA	NA	NA		
Coconut Acid	61788-47-4	NA	262-978-7	<1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Lavandula 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													

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										
	SKIN & EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close										
	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:	
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	
This product is non-flammable. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g.,		

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
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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
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
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).
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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
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DEFINITION OF TERMS

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

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

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TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
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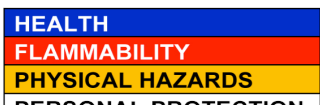
FIRST AID MEASURES:

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.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

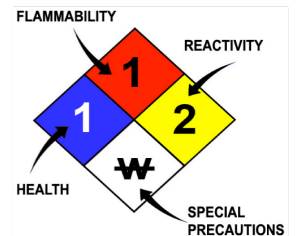
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe 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 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

3	Severe Hazard
4	Extreme Hazard

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

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: 2/3/2020

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		
Lavandula 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		
	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	<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</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</p> <p>INHALATION: Remove victim to fresh air at once.</p>															
4.2	<table border="1"> <tr> <td>Medical Conditions Aggravated by Exposure:</td> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>None known</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>A</td> </tr> <tr> <td></td> <td>EYES</td> <td></td> </tr> </table>	Medical Conditions Aggravated by Exposure:	HEALTH	1	None known	FLAMMABILITY	0		PHYSICAL HAZARDS	0		PROTECTIVE EQUIPMENT	A		EYES	
Medical Conditions Aggravated by Exposure:	HEALTH	1														
None known	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	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.
	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	
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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
9.1	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	Hazardous Reaction:	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

11.8	Physician Recommendations: Treat syptomatically
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12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: There is no specific data for this product.
12.2	Effects on Terrestrial Life: 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

	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	ADGR (AUS): 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.

	<p>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</p>
15.8	<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. Hazard Statemens: None. Risk</p>

16. OTHER INFORMATION

16.1	<p>Other Information: Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.</p>
16.2	<p>Terms & Definitions: Please see last page of this SDS.</p>
16.3	<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</p>
16.4	<p>Prepared for:</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
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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.
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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

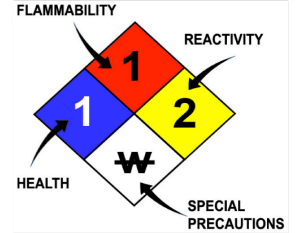
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 _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: 1.1 | SDS Revision Date: 04/14/2021

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

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 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</p>
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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>
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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, 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:	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

4 of 7

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): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II, LTD QTY (IP≤1.0L) Fully Regulated: UN1993, Flammable Liquid N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>1.0L)	
14	IATA (AIR): Passenger Aircraft: Excepted Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: ID8000 Consumer Commodity, 9, LTD QTY (IP≤0.5 L) Maximum Quantity Allowed: 35 Kg Fully Regulated: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II (IP>0.5 L ≤10.0 L) Maximum Quantity Allowed: 5 L Net Air Cargo Only: Fully regulated: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II (IP>1.0 L ≤10.0 L) Maximum Quantity Allowed: 60 L Net	
14	IMDG (OCN): Excepted Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II (IP≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), LTD QTY (IP≤1.0 L) Maximum Quantity Allowed: 1 L Net Fully Regulated: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II (IP>1.0 L ≤40.0 L) Maximum Quantity Allowed: 400 Kg Net	
14	TDGR (Canadian GND): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II, LTD QTY (IP≤1.0 L)	
15	ADR/RID (EU): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II, LTD QTY (IP≤1.0 L)	
15	MEXICO (SCT): UN1173, UN1993, Líquido Inflamable, N.O.S. (Acetona solución), 3, II, LTD QTY (IP≤1.0 L)	
15	ADGR (AUS): Limited Quantity: UN1993, Flammable Liquid N.O.S. (Acetone Solution), 3, II, LTD QTY (IP≤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: 5,0000 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	<p>State Regulatory Information:</p> <p>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).</p> <p>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).</p>	
16	<p>67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements:</p> <p>The primary components of this product are not listed in Annex 1 of EU Directive 67/548/EEC.</p> <p>Butyl Acetate: Flammable (F). Harmful (Xi).</p> <p>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.</p>	 

16. OTHER INFORMATION

16	<p>Other Information:</p> <p>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:</p> <p>Please see last page of this SDS.</p>	
16	<p>Disclaimer:</p> <p>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	<p>Prepared for:</p> <p>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</p>	
17	<p>Prepared by:</p> <p>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</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.
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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

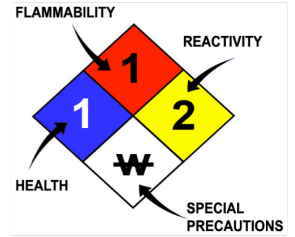
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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



REPUBLIKA
SLOVENIJA
OKRAJNO
SODIŠČE
LJUBLJANA

Podpisnik: Ana Jevšnik Vrečer
Izdajatelj: SIGOV-CA
Serijska št.: 1237608514027
Podpisano: 7.8.2025 10:50



III D 1436/2024



05865885

SKLEP
O DEDOVANJU

Okrajno sodišče v Ljubljani je po okrajni sodnici Ani Jevšnik Vrečer,

v zapuščinski zadevi po **pok.: MARTINA KOSSÄR**, hči Petra Koserja, roj. 24. 8. 1965, EMŠO: 2408965505683, umrla dne 18. 4. 2024, nazadnje stanujoči na naslovu Pionirska pot 14, Ljubljana - Črnuče, državljanke Republike Slovenije,

dne 4. avgusta 2025



SKLENILO:

I.

V zapuščino po pok. sodijo:

- denarna sredstva na transakcijskem računu št. 340001018400454, odprt pri banki SPARKASSE d.d.,
- denarna sredstva na računu namenskega varčevanja št. 56240124398, odprt pri banki SPARKASSE d.d.,
- denarna sredstva na bonus računu št. 55820173437, odprt pri banki SPARKASSE d.d.,
- nepremičnina v k.o. 1757 NADGORICA, stavba 876, del stavbe 5, v deležu do 1/1,
- neizplačani pokojninski prejemki pri Zavodu za pokojninsko in invalidsko zavarovanje Republike Slovenije po sklepu o dedovanju opr. št. II. D 2729/2023 z dne 4.3.2024 po pok. Petru Koserju,
- članstvo v podjetju AMWAY SLOVENIJA L.L.C., Podružnica Ljubljana, Šmartinska cesta 130, Ljubljana, številka člana: 5319387.

II.

Zakoniti dedinji I. dednega reda sta:

- **zap. hči NADJA JAKOPIČ**, roj. 14. 1. 1991, EMŠO: 1401991505073, stan. Šmartinska cesta 8, Ljubljana,
- **zap. hči PATRIŠA KOSSÄR**, roj. 14. 1. 1991, EMŠO: 1401991505065, stan. Pionirska pot 14, Ljubljana - Črnuče,

vsaka z dednim deležem do 1/2 zapuščine.

III.

Dedinji sta nato sklenili naslednji

DEDNI DOGOVOR:


1. Nadja Jakopič prejme:

- članstvo v podjetju AMWAY SLOVENIJA L.L.C., Podružnica Ljubljana, Šmartinska cesta 130, Ljubljana, številka člana: 5319387.

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: 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/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		
Di-HEMA Trimethylhexyl Dicarbamate	41137-60-4	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		
Trimethylolpropane Trimethacrylate	3290-92-4	NA	NA	0-15	NA	NA	NF	NF	NF	NA	NA	NA		
Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1 - 15	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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;">1</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>EYES SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	1	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	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 enviornmentally sensitive reas. If necessary, rinse contaminated equipment with soapy water before returnign 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>	
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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 devises. 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 shoiuld 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:	1.1
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
9.11	Viscosity:	approximately 5,000 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 International 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 product 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 volatilize 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):

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>NONE</u>	
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 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.lightelegance.com	 McConnell Labs

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	60-100	500	750	250	1000	NF	1000	NA	2500		
Flamm.Lig.2; Eye Irrit. 2; STOT SE 3, H224, H319, H336														
Isopropylideneiphenyl bisoxyhydroxypropyl methacrylate	1565-94-2	NA	216-367-7	5-40	NA	NA	NF	NF	NF	NA	NA	NA		
BIS-HEA Poly(1,4-butanediol)-9/IPDI Copolymer	73297-27-5	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA		
Isobutyl Methacrylate	97-86-9	NA	202-613-0	0-3	NA	NA	NF	NF	NF	NA	NA	NA		
Methacrylic Acid	79-41-4	NA	201-204-4	0-3	150	200	150	200	NF	200	200	####		
Flammable Liquid 3; Specific Target Organ Toxicity - Single Exposure 3; H226, H336														
Hydroxycyclohexyl Phenylketone	947-19-3	NA	213-426-9	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA		
Accute Tox. Oral 5; Aquatic Acute 3; H225, H319, H402														
BIS-Trimethylbenzoyl Phenylphosphine Oxide	162881-26-7	NA	NA	0.1 - 5	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;">3</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 style="background-color: #000000; color: white;">EYES SKIN</td> <td></td> </tr> </tbody> </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

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.
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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, 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:	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
9.1	Flash Point:	- 20 °C (-4 °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

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

14	49 CFR (GRD): Limited Quantity: UN1263, Paint, 3, II, LTD QTY (IP≤1.0 L) Fully Regulated: UN1993, Flammable Liquid, N.O.S. (Isopropanol Acetone, Solution), 3, II (IP>1.0 L) UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 0.5 L)	
14	IATA (AIR): Passenger Air: Excepted Quantity: UN1263, Paint, 3, II (IP≤30 ML) CODE E2- Maximum Quantity Allowed: 500 ML Passenger Air: Limited Quantity: ID8000, Consumer Commodity, 9 LTD QTY (IP≤0.5 L) Maximum Quantity Allowed: 35 KG Passenger Air: Fully Regulated: UN1263, Paint, 3, II (IP≤1.0 L) Maximum Quantity Allowed: 5 L NET Cargo Air Only: Fully Regulated: UN1263, Paint, 3, II (IP>1.0 L ≤10.0 L) Maximum Quantity Allowed: 60 L NET	
14	IMDG (OCN): IMDG (OCN) Excepted Quantity: UN1263, Paint, 3, II (IP≤30 ML) CODE E2- Maximum Quantity Allowed: 500 ML	
14	TDGR (Canadian GND): Limited Quantity: UN1123, Paint, 3, II, LTD QTY (IP≤1.0 L)	
15	ADR/RID (EU): Limited Quantity: UN1263, Paint, 3, II, LTD QTY (IP≤1.0 L)	
15	MEXICO (SCT): Limited Quantity: UN1263, Pintura, 3, II, LTD QTY (IP≤1.0 L)	
15	ADGR (AUS): Limited Quantity: UN1263, Paint, 3, II, LTD QTY (IP≤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: Acetone 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 components 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

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.
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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																									
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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

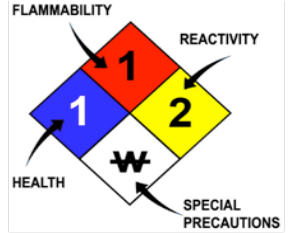
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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 ₁₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀₁ , LD ₁₀₁ , & 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: 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	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)	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	1	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B
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
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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: <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). 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	 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:

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.
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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

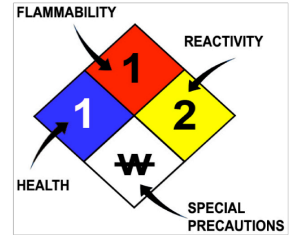
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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: 1.6	SDS Revision Date: 08/05/2024
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1. PRODUCT IDENTIFICATION

1.1	Product Name: LIGHT ELEGANCE VitaPrime
1.2	Chemical Name: Methacrylic Acid Solution
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 PERMANENT SKIN DAMAGE. AVOID SKIN CONTACT DUE TO IRRITATION AND CHEMICAL BURN POTENTIAL. MAY CAUSE EYE IRRITATION OR DAMAGE. Hazard Statements (H): H227 -Combustible liquid and vapor , H302 - Harmful if swallowed, H-312 - Harmful in contact with skin , H332 - Harmful if inhaled , H314 - Causes severe skin burns and eye damage. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P223 - Keep container tightly closed. 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	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 tract. 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: 1060 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.	%	EXPOSURE LIMITS IN AIR (mg/m3)									OTHER
					ACGIH		NIOSH			OSHA				
					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. Treat affected skin with a paste of baking soda and water. Rub the baking soda paste into the affected area and let sit for 15 minutes. 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 returning to service.

6. ACCIDENTAL RELEASE MEASURES



6.1	Spills:
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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) and if possible, wear an Activated Carbon respirator. Absorb spilled material to an absorbent such as kitty litter, paper towels or absorbent mats. Place the absorbed material into a bucket or pan and treat with baking soda to neutralize the Methacrylic Acid.. 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:	1.015
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
9.11	Flash Point:	77 °C (171 °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

11.1	<p>Toxicity Data: Performed by the manufacturer of the methacrylic acid</p> <p>Acute Oral Toxicity: LD50: 1060 mg/kg Species: Rat</p> <p>Acute Inhalation Toxicity: LD50: 7.1 mg/l Exposure time: 4 hrs Species: Rat</p> <p>Acute Dermal Toxicity: LD50: 500 mg/kg Species: Rabbit</p>
11.2	<p>Acute Toxicity:</p> <p>See Section 2.5</p>
11.3	<p>Chronic Toxicity:</p> <p>See Section 2.6</p>
11.4	<p>Suspected Carcinogen:</p> <p>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.</p>
11.5	<p>Reproductive Toxicity:</p> <p>This product is not reported to cause reproductive toxicity in humans.</p> <p>Mutagenicity:</p> <p>This product is not reported to produce mutagenic effects in humans.</p> <p>Embryotoxicity:</p> <p>This product is not reported to produce embryotoxic effects in humans.</p> <p>Teratogenicity:</p> <p>This products is not reported to cause teratogenic effects in humans.</p>
11.6	<p>Irritancy of Product:</p> <p>See Section 2.3</p>
11.7	<p>Biological Exposure Indicies:</p> <p>NE</p>
11.8	<p>Physician Recommendations:</p> <p>Treat symptomatically</p>

12. ECOLOGICAL INFORMATION

12.1	<p>Environmental Stability:</p> <p>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.</p>
12.2	<p>Effects on Plants & Animals:</p> <p>There is no specific data available for this product on plant life.</p>
12.3	<p>Effects on Aquatic Life:</p> <p>There is no specific data available for this product on aquatic life.</p>

13. DISPOSAL CONSIDERATIONS



13.1	<p>Waste Disposal:</p> <p>Dispose in accordance with local, state and Federal waste laws.</p>
13.2	<p>Special Considerations:</p> <p>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.</p>

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): Limited Quantity: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤0.1 L) Fully Regulated: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, (IP >0.1 L)	
14.2	IATA (AIR): Passenger Aircraft: Excepted Quantity: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤0.1 L) Maximum Quantity Allowed: 0.5 L Net Fully Regulated: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, (IP >0.1 L ≤1.0 L) Maximum Quantity Allowed: 1.0 L Net Air Cargo Only: Fully Regulated: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, (IP >1.0 L ≤2.5 L) Maximum Quantity Allowed: 30.0 L Net	
14.3	IMDG (OCN): Excepted Quantity: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤30 ml) Code E2 - Maximum Quantity Allowed: 500 ml Limited Quantity: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤1.0 L) Maximum Quantity Allowed: 1.0 L Net Fully Regulated: UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, (IP >0.1 L ≤40.0 L) Maximum Quantity Allowed: 400 Kg Net	
14.4	TDGR (Canadian GND): UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤1.0 L)	
14.5	ADR/RID (EU): UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤1.0 L)	
14.6	MEXICO (SCT): UN1760 Liquido Corrosivo, N.O.S. (ácido metacrílico glacial, solución), 8, II, LTD QTY (IP ≤1.0 L)	
14.7	ADGR (AUS): UN1760 Corrosive Liquid, N.O.S. (Glacial Methacrylic Acid, Solution), 8, II, LTD QTY (IP ≤1.0 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): 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 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 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

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.

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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
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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.
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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:

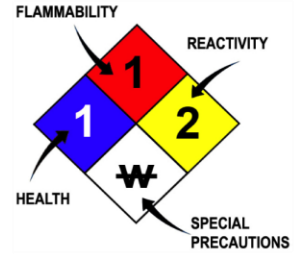
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

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 ₀ or TC, TC ₀₁ , LC ₀₁ , & 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