



### 4. FIRST AID MEASURES

4.1	First Aid:	<p><b>INGESTION:</b> 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><b>SKIN &amp; EYES:</b> 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><b>INHALATION:</b> 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: #0070C0; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF8C00; color: white;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFD700; 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;">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 &amp; 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., &gt; 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 <del>impermeable plastic gloves</del> .	
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 <del>exposed areas thoroughly with soap and water.</del>	

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

## 11. TOXICOLOGICAL INFORMATION

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

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

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

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

## 15. REGULATORY INFORMATION

15.1	SARA Reporting: <b>NA</b>
15.2	SARA Threshold Planning Quantity: <b>NA</b>
15.3	TSCA Inventory Status: <b>All components of this product are listed in the TSCA Inventory or are exempt</b>
15.4	CERCLA Reportable Quantity (RQ): <b>NA</b>
15.5	Other Federal Requirements: <b>This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).</b>
15.6	Other Canadian Regulations: <b>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.</b>
15.7	State Regulatory Information: <b>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.</b>
15.8	67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements: <b>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</b>

## 16. OTHER INFORMATION

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16.1	Other Information: <b>Use only as directed. Discontinue use immediately if irritation develops. KEEP OUT OF REACH OF CHILDREN.</b>	
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 <a href="http://www.lighttelescope.com">http://www.lighttelescope.com</a>	 <b>McConnellLabs</b>
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 <a href="http://www.lighttelescope.com">http://www.lighttelescope.com</a>	 <b>McConnellLabs</b>

## 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:

<b>A</b>		<b>G</b>	
<b>B</b>		<b>H</b>	
<b>C</b>		<b>I</b>	
<b>D</b>		<b>J</b>	
<b>E</b>		<b>K</b>	
<b>F</b>		<b>X</b>	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 <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>01</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>01</sub> , LD <sub>01</sub> , & LD <sub>01</sub> or TC, TC <sub>01</sub> , LC <sub>01</sub> , & LC <sub>01</sub>	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 <sub>0</sub>	Median threshold limit
log K <sub>OW</sub> or log K <sub>OC</sub>	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