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# SAFETY DATA SHEET

Page 1 of 6 **SDS-139** 

| Prepa | ared to OSHA, ACC, ANSI | , NOHSC, WHMIS, G  | HS & 1272/2008/EC Standards   |   | SDS Revision: 4.3  | SDS Revision Date: 12/12/2018   |
|-------|-------------------------|--|---|---|--|---|
|       |                         |  |   |   |  |   |
|       |                         | 1.   | PRODUCT & COMPA   | ANY IDEI  | NTIFICATION  |   |
| 1.1   | Product Name:           | 1  | LUMINOUS WHITE  |   |  |   |
| 1.2   | Chemical Name:          | Methacrylate I   | /lixture  |   |  |   |
| 1.3   | Synonyms:               | NA   |   |   |  |   |
| 1.4   | Trade Names:            | AX102, AX104   |   |   |  |   |
| 1.5   | Product Use:            | Professional L   | lse Only  |   |  |   |
| 1.6   | Distributor's Name:     | OPI Products,  | Inc.  |   |  |   |
| 1.7   | Distributor's Address:  | 4500 Park Gra  | ınada Blvd, Calabasas, CA 9130  | 02 USA  |  |   |
| 1.8   | Emergency Phone:        | CHEMTRE  | C: +1 (703) 527-3887 / +1   | 1 (800) 424   | -9300 (CCN 1637  | 77)   |
| 1.9   | Business Phone / Fax:   | Tel: +1 (818) 9  | 99-5112   |   | -  |   |
|       |                         |  |   |   |  |   |
|       |                         |  | 2. HAZARDS IDI  | ENTIFICA  | ATION  |   |
| 2.1   | Hazard Identification:  | of [NOHSC: 10<br>WARNING!<br>RESPIRATOR  | cidassilled as a nazardous subs<br>188 (2004)] and ADG Code (Aus<br>MAY CAUSE AN ALLERGI<br>Y IRRITATION.<br>Skin Sens. 1A; Eye Irrit. 2B; ST   | stralia).<br>IC SKIN RE   |  | ds according to the classification criteria  S EYE IRRITATION. MAY CAUSE  |
| 2.2   | Label Elements:         | Hazard Staten H335 – May ca Precautionary after handling. P280 – Wear protection. P3 or a rash oc continuously v continue rinsir P370+P378 - P403+P235 – | nents (H): H317 – May causes ause respiratory irritation.  Statements (P): P264 – Wash P272 – Contaminated work corotective gloves/eye protection 102+P352 – IF ON SKIN: Wash curs: Get medical advice/atte with water for several minutes. In case of fire, CO <sub>2</sub> , Halon (Store in a well-ventilated place. | exposed skin in exposed skin in clothing should office protection with soap are ention. P300 Remove control treatment skin (if permitted), Keep cool. | areas thoroughly wit<br>d not be allowed out<br>on. P280 – Wear pro<br>d water. P333+P313<br>5+P351+P338 – IF<br>act lenses if present<br>ee Section 4 of this S<br>dry chemical, or foa | th soap and water of the workplace. tective gloves/eye 3 – If skin irritation IN EYES: Rinse and easy to do – safety Data Sheet. am for extinction. |
| 2.3   | Other Warnings:         |  | F REACH OF CHILDREN.  | ., (1001).  |  |   |
|       | 1                       | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |   |   |  |   |
|       |                         | 3. CO  | MPOSITION & INGR  | REDIENT   | INFORMATIO   | N   |
|       |                         |  |   |   |  | RE LIMITS IN AIR (mg/m³)  |
|       |                         |  |   | ۸۲  | SIH NOHSC  | OSHA  |

|   |                              |                  |                   |       |      |       |            |             |             | MITS IN     | N AIR (m | g/m³) |       |
|---|------------------------------|------------------|-------------------|-------|------|-------|------------|-------------|-------------|-------------|----------|-------|-------|
|   |                              |                  |                   |       | AC   | ACGIH |            | NOHSC       |             | OSHA<br>ppm |          |       |       |
|   |                              |                  |                   |       | ppm  |       | ppm        |             |             |             |          |       |       |
| CHEMICAL NAME(S)                            | CAS No.                      | RTECS No.        | EINECS No.        | %     | TLV  | STEL  | ES-<br>TWA | ES-<br>STEL | ES-<br>PEAK | PEL         | STEL     | IDLH  | OTHER |
| ACRYLATEs/CARBAMATE                         | NA                           | NA               | NA                | 30-60 | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| OLIGOMERS                                   |                              | •                |                   |       |      |       |            |             |             |             |          |       |       |
| TRIETHYLENE GLYCOL<br>DIMETHACRYLATE        | 109-16-0                     | NA               | 203-652-6         | 10-30 | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| ISOBORNYL ACRYLATE                          | 5888-33-5                    | UD3940000        | 227-561-6         | 10-30 | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
|   | , ,                          |                  | E 3, Chronic Aq.  |       |      |       |            |             |             |             |          |       | T     |
| SILICA DIMETHYL SILYLATE                    | 68611-44-9                   | NA               | 271-893-4         | 5-10  | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| ETHYL TRIMETHYLBENZOYL<br>PHENYLPHOSPHINATE | NA                           | NA               | NA                | 1-5   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| POLYQUATERNIUM 37                           | 26161-33-1<br>Chronic Aq. To | NA<br>NA 3: H412 | NA                | 1-5   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| PROPYLENE GLYCOL<br>DICAPRYLATE/DICAPRATE   | 68583-51-7                   | ZC0110000        | 271-516-3         | 1-5   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| CI 77891 (TITANIUM DIOXIDE)                 | 13463-67-7                   | XR2275000        | 236-675-5         | 1-5   | (10) | NA    | NF         | NF          | NF          | (10)        | NA       | NA    | RESP  |
| HYDROXYETHYL METHACRYLATE                   | 868-77-9                     | OZ4725000        | 212-782-2         | 0-1   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| (HEMA)                                      |                              |                  | ens. 1; H319, H31 |       | 1171 | 147 ( | 141        | 141         | 141         | 1473        | 1473     |       |       |
| WATER (AQUA/EAU)                            | 7732-18-5                    | ZC0110000        | 231-191-2         | 0-1   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| PPG-1 TRIDECETH 6                           | NA                           | NA               | NA                | 0-1   | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| ACRYLATES COPOLYMER                         | 25133-97-5                   | NA               | 25212-88-8        | 0-0.1 | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |
| SORBITAN OLEATE                             | 1338-43-8                    | NA               | 215-665-4         | 0-0.1 | NA   | NA    | NF         | NF          | NF          | NA          | NA       | NA    |       |

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### **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 12/12/2018 3. COMPOSITION & INGREDIENT INFORMATION – cont'd EXPOSURE LIMITS IN AIR (mg/m3) ACGIH NOHSC **OSHA** ppm ppm ppm FS. FS-FS-CHEMICAL NAME(S) RTECS No. EINECS No. TLV STEL STEL IDLH CAS No. PEAK **TWA** STEL DUST 7631-86-9 VV7310000 231-545-4 0-0 1 (6) NA (2) NF NF NA NA SILICA Eye Irrit. 2A; STOT SE 3; H319, H335 244-492-7 NA NA NF NF NF NA NA NA 21645-51-2 NA 0-0.1 ALUMINUM HYDROXIDE 123-31-9 MX3500000 204-617-8 NA NA NF 2 NA NA 0-0.1 50 **HYDROQUINONE** Acute Tox. 4 \*; Eye Dam. 1; Skin Sens. 1; Acute Aq. Tox. 1; H302, H318, H317, H400 SL7700000 150-76-5 205-769-8 0-0.1 NA NA NF NF NF NA NA NA P-HYDROXYANISOLE Acute Tox. 4 \*; Eye Irrit. 2; Skin Sens. 1; H302, H319, H317 CB770000 201-353-5 81-48-1 0-0.1 NA NA NF NF NF NA NA NA CI 60725 (VIOLET 2) 4. FIRST AID MEASURES First Aid: If ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency 4.1 Ingestion: number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm Eyes: water for at least 15 minutes. If irritation occurs, contact a physician. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough Skin: washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Inhalation: Remove victim to fresh air. 4.2 Effects of Exposure: If product is swallowed, may cause nausea, headache, vomiting and/or diarrhea and central nervous Ingestion: system depression. Irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Eyes: May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact. Skin: Inhalation of vapors is unlikely under normal conditions of use and handling; however, inhalation of vapors Inhalation: in excess of the levels listed in Section 3 (Composition and Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). 4.3 Symptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. 4.4 Acute Health Effects: Mild to moderate irritation to eves and skin near affected areas. 4.5 Chronic Health Effects: None known. 4.6 Target Organs: Eyes, Skin Pre-existing dermatitis, other skin conditions, and disorders of the 4.7 Medical Conditions **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 1 1 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В SKIN **EYES** 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: Exothermic polymerization may cause containers to rupture. Cool containers with water to prevent polymerization. This product is a non-flammable liquid. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO<sub>2</sub>, NO<sub>x</sub>). 5.2 Extinguishing Methods: CO<sub>2</sub>, Halon, Dry Chemical, Foam 5.3 Firefighting Procedures: This product is a combustible liquid. When involved in a fire, this product may ignite readily and decompose to produce carbon oxides. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.

9 14

9.15

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9 17

Autoignition Temperature:

Viscosity:

Other Information:

Decomposition Temperature:

NA

ND

270,000 cPs

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CI 77891 (TITANIUM DIOXIDE) STFI STFI TI V PEL **IDLH** TWA STFI PEAK (10)NA NF NF NF RESP (10)NA NA SILICA (2) NF NF DUST (6) NA (6) NA NA **HYDROQUINONE** NA NA NF 2 NF NA NA 50 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), Controls: Ensure that an eyewash station or washbasin is available in case of exposure to eyes. Respiratory Protection: 8.3 No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, EU member states, or Australia. 8.4 Eve Protection: Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166. Hand Protection: 8.5 If anticipated that prolonged & repeated skin contact will occur during use of this product, wear neoprene or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada or the EU member states. 8.6 Body Protection: No special body protection is required under typical circumstances of use and handling. necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES Appearance: White viscous gel Odor Characteristic acrylate odor

|      |   | Characterical derivate each. |
|------|---|------------------------------|
| 9.3  | Odor Threshold:                         | NA NA                        |
| 9.4  | pH:                                     | ND                           |
| 9.5  | Melting Point/Freezing Point:           | NE NE                        |
| 9.6  | Initial Boiling Point/Boiling<br>Range: | > 212 °F                     |
| 9.7  | Flashpoint:                             | ND                           |
| 9.8  | Upper/Lower Flammability<br>Limits:     | ND                           |
| 9.9  | Vapor Pressure:                         | NE NE                        |
| 9.10 | Vapor Density:                          | NA NA                        |
| 9.11 | Relative Density:                       | 1.1088                       |
| 9.12 | Solubility:                             | Immiscible                   |
| 9.13 | Partition Coefficient (log Pow):        | NA NA                        |

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 12/12/2018 10. STABILITY & REACTIVITY Stable under ambient conditions when stored properly (See Section 7, Storage and Handling). 10.1 Stability: Hazardous Decomposition If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and 10.2 carbon oxide gases (e.g., CO, CO<sub>2</sub>). May occur, if exposed to extremely high temperatures. 10.3 Hazardous Polymerization: None known. 10.4 Conditions to Avoid: This product is incompatible with alkaline metals, strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., 10.5 Incompatible Substances hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide). 11. TOXICOLOGICAL INFORMATION Absorption: YES 11.1 Routes of Entry: Inhalation: YES Ingestion: YES 11.2 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, but is not presented in this document Acute Toxicity: See Section 4.4 11.3 11.4 Chronic Toxicity See Section 4.5 Suspected Carcinogena 11.5 11.6 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. Mutagenicity: Embryotoxicity This product is not reported to produce embryotoxic effects in humans Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.7 Irritancy of Product: See Section 4.3 Biological Exposure Indices: 11.8 NE Treat symptomatically. 11.9 Physician Recommendations: 12. ECOLOGICAL INFORMATION There are no specific data available for this product. **Environmental Stability** 12.1 Effects on Plants & Animals: There are no specific data available for this product. 12.2 12.3 Effects on Aquatic Life: There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Waste disposal must be in accordance with appropriate federal, state, and local regulations. 13 2 Special Considerations: NA 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 and the CTDGR 49 CFR (GND): NOT REGULATED 14.2 IATA (AIR): NOT REGULATED 14.3 IMDG (OCN): NOT REGULATED 14.4 TDGR (Canadian GND) NOT REGULATED ADR/RID (EU) 14.5 **NOT REGULATED** SCT (MEXICO): 14.6 **NOT REGULATED** ADGR (AUS): 14.7 NOT REGULATED 15. REGULATORY INFORMATION 15.1 SARA Reporting Requirements: This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements. 15.2 SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product. 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are otherwise exempt. 15.4 CERCLA Reportable Quantity (RQ): NA Other Federal Requirements: 15.5 This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics) Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS 15.6 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 listed on the Priorities Substances List. State Regulatory Information: 15.7 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 Proposition 65 (CA65), 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).

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Prepared by:

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 12/12/2018 15. REGULATORY INFORMATION – cont'd Other Requirements: This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information, go to www.P65warnings.ca.gov. 16. OTHER INFORMATION WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. MAY CAUSE Other Information: RESPIRATORY IRRITATION. Use only as directed. Irritating to eyes, skin and respiratory system. Keep container tightly closed in a cool place. Avoid contact with skin and eyes. Wear eye protection. Do not take internally. Keep away from heat and open flame. KEEP OUT OF REACH OF CHILDREN Terms & Definitions: See last page of this Safety Data Sheet. 16.2 16.3 Disclaimer: This Safety Data Sheet 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 ShipMate's & OPI's knowledge, the information contained herein is reliable and accurate as of this date: however, accuracy, suitability or completeness is 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: OPI Products, Inc. 4500 Park Granada Blvd Calabasas, CA 91302 USA Tel: +1 (818) 999-5112 http://www.opi.com

# **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision Date: 12/12/2018

### **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                                     |
|------------|--|
| RTECS No.  | Registry of Toxic Effects of Chemical Substances Number              |
| EINECS No. | European Inventory of Existing Commercial Chemical Substances Number |

#### EXPOSURE LIMITS IN AIR:

| ACGIH   | ACGIH American Conference on Governmental Industrial Hygienists |  |  |
|---|---|--|--|
| IDLH Immediately Dangerous to Life and Health       |   |  |  |
| NOHSC   | National Occupational Health and Safety Commission (Australia)  |  |  |
| OSHA  | U.S. Occupational Safety and Health Administration              |  |  |
| PEL Permissible Exposure Limit                      |   |  |  |
| STEL  | Short Term Exposure Limit                                       |  |  |
| TLV Threshold Limit Value TWA Time Weighted Average |   |  |  |

#### 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.   |

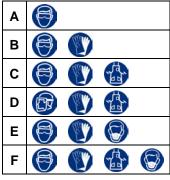
#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

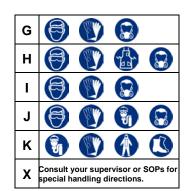
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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

**HEALTH** FLAMMABILITY **PHYSICAL HAZARDS** PERSONAL PROTECTION

#### PERSONAL PROTECTION RATINGS:





























#### OTHER STANDARD ABBREVIATIONS:

| Carc    | Carcinogenic                                     |
|---------|--|
| Irrit   | Irritant   |
| NA      | Not Available                                    |
| NR      | No Results                                       |
| ND      | Not Determined                                   |
| NE      | Not Established                                  |
| NF      | Not Found  |
| SCBA    | Self-Contained Breathing Apparatus               |
| Sens    | Sensitization                                    |
| STOT RE | Specific Target Organ Toxicity – Repeat Exposure |
| STOT SE | Specific Target Organ Toxicity – Single Exposure |

#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

| FLAMMABILI   | FLAMMABILITY LIMITS IN AIR:  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|
| Autoignition | Autoignition   Minimum temperature required to initiate combustion in air with no other source |  |  |  |  |  |
| Temperature  | of ignition  |  |  |  |  |  |
| LEL          | 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          | 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  | FLAMMABILITY   |
|---------|-----------------|----------------|
| 1       | Slight Hazard   | \              |
| 2       | Moderate Hazard | REACTIVITY     |
| 3       | Severe Hazard   |                |
| 4       | Extreme Hazard  |                |
| ACD     | Acidic          |                |
| ALK     | Alkaline        |                |
| COR     | Corrosive       | / <b>X W X</b> |
| W       | Use No Water    | HEALTH         |
| ОХ      | Oxidizer        | SPECIAL        |
| TREFOIL | Radioactive     | PRECAUTIONS    |

### 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>io</sub>   | Lowest dose to cause a symptom  |
| TCLo   | Lowest concentration to cause a symptom                               |
| TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or | Lowest dose (or concentration) to cause lethal or toxic effects       |
| TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub> |   |
| IARC   | International Agency for Research on Cancer                           |
| NTP  | National Toxicology Program   |
| RTECS  | Registry of Toxic Effects of Chemical Substances                      |
| BCF  | Bioconcentration Factor   |
| TL <sub>m</sub>  | Median threshold limit  |
| log Kow or log Koc   | 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:

| 0              | <b>(*)</b>    |           |          | $\Theta$   | (3)        |           |          |
|----------------|---------------|-----------|----------|------------|------------|-----------|----------|
| Class A        | Class B       | Class C   | Class D1 | Class D2   | Class D3   | Class E   | Class F  |
| Compress<br>ed | Flammabl<br>e | Oxidizing | Toxic    | Irritation | Infectious | Corrosive | Reactive |

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

|           |           | <b>®</b> | $\Diamond$  |           |       | $\Leftrightarrow$     |                  | *           |
|-----------|-----------|----------|-------------|-----------|-------|-----------------------|------------------|-------------|
| GHS01     | GHS02     | GHS03    | GHS04       | GHS05     | GHS06 | GHS07                 | GHS08            | GHS09       |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful<br>Irritating | Health<br>Hazard | Environment |