

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

MSDS Revision: 1.0

MSDS Revision Date: 01/26/2011

1. PRODUCT IDENTIFICATION

| | |
|-----|--|
| 1.1 | Product Name: BONACURE SUN PROTECT AFTER-SUN TREATMENT |
| 1.2 | Chemical Name: NA |
| 1.3 | Synonyms: NA |
| 1.4 | Trade Names: Bonacure Sun Protect After-Sun Treatment |
| 1.5 | Product Use: PROFESSIONAL OR SUNDRY USE ONLY |
| 1.6 | Distributor's Name: SCHWARZKOPF, INC. |
| 1.7 | Distributor's Address: 600 CORPORATE POINTE, SUITE 1100, CULVER CITY, CA 90230 USA |
| 1.8 | Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-3887 |
| 1.9 | Business Phone: +1 (310) 641-4600 / +1-800-707-9997 |

2. HAZARD IDENTIFICATION

| | | | | | | | |
|-----|--|-------------|----|-------------|-----|------------|-----|
| 2.1 | Hazard Identification: This product is NOT classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). KEEP OUT OF REACH OF CHILDREN. Avoid getting into the eyes. Use only as directed. | | | | | | |
| 2.2 | Routes of Entry: | Inhalation: | NO | Absorption: | YES | Ingestion: | YES |
| 2.3 | Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea. EYES: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. SKIN: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. INHALATION: None expected. | | | | | | |
| 2.4 | Symptoms of Overexposure: Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. | | | | | | |
| 2.5 | Acute Health Effects: Moderate irritation to eyes. Moderate irritation to skin near affected areas. | | | | | | |
| 2.6 | Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion. Methylparaben contained in very small quantities in this product may be mild allergen to some sensitive individuals. | | | | | | |
| 2.7 | Target Organs: Eyes | | | | | | |

3. COMPOSITION & INGREDIENT INFORMATION

| CHEMICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | EXPOSURE LIMITS IN AIR (mg/m ³) | | | | | | | | |
|-------------------------|------------|-----------|------------|----|---|------|--------|---------|---------|------|------|------|-------|
| | | | | | ACGIH | | NOHSC | | | OSHA | | | OTHER |
| | | | | | ppm | | ppm | | | ppm | | | |
| | | | | | TLV | STEL | ES-TWA | ES-STEL | ES-PEAK | TLV | STEL | IDLH | |
| WATER/AQUA/EAU | 7732-18-5 | ZC0110000 | 231-791-2 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| CETEARYL ALCOHOL | 36653-82-4 | MM0225000 | 253-149-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| GLYCERIN | 56-81-5 | MA8050000 | 200-289-5 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| ISOPROPYL MYRISTATE | 110-27-0 | XB8600000 | 203-751-4 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| BEHENTRIMONIUM CHLORIDE | 17301-53-0 | NA | 241-327-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used
NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.


3. COMPOSITION & INGREDIENT INFORMATION - continued

| CHEMICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | EXPOSURE LIMITS IN AIR (mg/m ³) | | | | | | | | |
|---|------------|------------|------------|---------|---|------|-------|----|----|------|----|----|----------|
| | | | | | ACGIH | | NOHSC | | | OSHA | | | OTHER |
| | | | | | ppm | | ppm | | | ppm | | | |
| TLV | STEL | ES-TWA | ES-STEL | ES-PEAK | TLV | STEL | IDLH | | | | | | |
| STEARAMIDOPROPYL DIMETHYLAMINE | 7651-02-7 | NA | 231-609-1 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| CETYL PALMITATE | 540-10-3 | RT4750000 | 208-736-6 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| DISTEAROYLETHYL HYDROXYETHYLMONIUM METHOSULFATE | 91032-11-0 | NA | 293-018-5 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| DIMETHICONE | 9006-65-9 | NA | NA | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| PHENOXYETHANOL | 122-99-6 | KM0350000 | 204-589-7 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| BENZOPHENONE-4 | 4065-45-6 | DB50443000 | 223-772-2 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| LACTIC ACID | 50-21-5 | OD2800000 | 200-018-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| METHYL PARABEN | 99-76-3 | DH2450000 | 202-785-7 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| PARFUM (FRAGRANCE) | NA | NA | NA | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| POLYQUATERNIUM-37 | 26161-33-1 | KQ630000 | NA | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| PANTHENOL | 81-13-0 | ES4316000 | 201-327-3 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE | 68583-51-7 | NA | 271-516-3 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| TOCOPHERYL ACETATE | 7695-91-2 | GA8747000 | 231-710-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| LINALOOL | 78-70-6 | RG5775000 | 201-134-4 | NA | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| PPG-1 TRIDECETH-6 | NA | NA | NA | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| LIMONENE | 5989-57-5 | GW636000 | 227-813-5 | NA | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| CITRONELLOL | 106-22-9 | RH3400000 | 203-375-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| BENZYL SALICYLATE | 118-58-1 | VO1750000 | 204-262-9 | NA | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| ALPHA-ISOMETHYL IONONE | 127-51-5 | NA | 204-846-3 | NA | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| HYDROLYZED KERATIN | 69430-36-0 | NA | 274-001-1 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| ELAEIS GUINEENSIS OIL | 8002-75-3 | NA | 232-316-1 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |

4. FIRST AID MEASURES

| | | | | | | | | | | | |
|-----------------------------|---|---------------|---|---------------------|---|-------------------------|---|-----------------------------|---|-------------|--|
| 4.1 | <p>First Aid:</p> <p>INGESTION: DO NOT INDUCE VOMITING. Contact ChemTrec at 703-527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p>EYES: If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek medical attention.</p> <p>SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned.</p> <p>INHALATION: Remove victim to fresh air at once. Under extreme conditions, 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, and respiratory system).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white; text-align: center;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white; text-align: center;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFA500; color: white; text-align: center;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #000000; color: white; text-align: center;">PROTECTIVE EQUIPMENT</td> <td style="text-align: center;">A</td> </tr> <tr> <td style="background-color: #000000; color: white; text-align: center;">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: This product is not flammable. | | | | |
| 5.2 | Autoignition Temperature: NA | | | | |
| 5.3 | Flammability Limits: | Lower Explosive Limit (LEL): | NA | Upper Explosive Limit (UEL): | NA |
| 5.4 | Fire & Explosion Hazards: This product is not a flammable liquid. However, if involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO₂, and NO_x). |  | | | |
| 5.5 | Extinguishing Methods: Water Fog, Foam, Dry Chemical, CO₂ | | | | |
| 5.6 | Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boilover. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. | | | | |

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) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. |
|-----|---|

7. HANDLING & STORAGE INFORMATION

| | |
|-----|--|
| 7.1 | Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. |
| 7.2 | Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. Keep away from children at all times! |
| 7.3 | Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

| | |
|-----|---|
| 8.1 | Ventilation & Engineering Controls: Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). 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: Avoid eye contact. Safety glasses with side shields should be used when handling large quantities (e.g., ≥ 1 gallon) of this product. |
| 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), wear rubber or impervious 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: | NA |
| 9.2 | Boiling Point: | NA |
| 9.3 | Melting Point: | NA |
| 9.4 | Evaporation Rate: | NA |
| 9.5 | Vapor Pressure: | NA |
| 9.6 | Molecular Weight: | NA |
| 9.7 | Appearance & Color: | Aqueous liquid with a light odor. |
| 9.8 | Odor Threshold: | NE |
| 9.9 | Solubility: | Soluble. |
| 9.10 | pH | NA |
| 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 (CO, CO₂) and sulfur (SO₂) |
| 10.3 | Hazardous Polymerization: Will not occur. |
| 10.4 | Conditions to Avoid: Open flames, sparks, high heat and direct sunlight. |
| 10.5 | Incompatible Substances: None known. |

11. TOXICOLOGICAL INFORMATION

| | |
|------|---|
| 11.1 | Toxicity Data: The product has not been tested for specific toxicity data. |
| 11.2 | Acute Toxicity: See section 2.5 |
| 11.3 | Chronic Toxicity: See section 2.6 |
| 11.4 | Suspected Carcinogen: This product contains IPA which is not carcinogenic to humans but is listed as a group 3 carcinogen by IARC |
| 11.5 | Reproductive Toxicity: This product is not reported to produce 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 produce teratogenic effects in humans. |
| | Reproductive Toxicity: This product is not reported to produce reproductive 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: There is no specific data available for this product. |
| 12.2 | Effects on Plants & Animals: There is no specific data available for this product. |
| 12.3 | Effects on Aquatic Life: There is no specific data available for this product. |

13. DISPOSAL CONSIDERATIONS

| | |
|------|---|
| 13.1 | Waste Disposal: Dispose of in accordance with 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.

| | | |
|------|--|--|
| 14.1 | 49 CFR (GND): 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 | SCT (MEXICO): NOT REGULATED | |
| 14.7 | ADGR (AUS): NOT REGULATED | |

15. REGULATORY INFORMATION

| | |
|------|--|
| 15.1 | SARA Reporting Requirements: NA |
| 15.2 | SARA Threshold Planning Quantity: NA |
| 15.3 | TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status. |
| 15.4 | CERCLA Reportable Quantity (RQ): NA |
| 15.5 | Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). |
| 15.6 | Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS 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. |
| 15.7 | State Regulatory Information: Phenoxyethanol can be found on the following state right to know lists: Pennsylvania, (listed as Glycol ethers). No components of this product are listed on the California Proposition 65 lists. |
| 15.8 | 67/548/EEC (European Union) Requirements: The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: R: 43 - May cause sensitization by skin contact. S: 3/7-20 - Keep container tightly closed in a cool place. When using do not eat or drink. |

16. OTHER INFORMATION

| | | |
|------|--|--|
| 16.1 | Other Information: For external use only. Use only as directed. Discontinue use immediately if irritation develops. | |
| 16.2 | Terms & Definitions: Please see last page of this MSDS. | |
| 16.3 | Disclaimer: This Material 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 & Schwarzkopf's knowledge, the information contained herein is reliable and accurate as of this date; 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: Schwarzkopf, Inc. 600 Corporate Pointe, Suite 1100 Culver City, CA 90230 USA Tel: +1 (310) 641-4600 Fax: +1 (310) 641-4601 http://www.schwarzkopf.com |  <p>Schwarzkopf PROFESSIONAL</p> |
| 16.5 | Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, OR. 97759-0787 +1 (310) 370-3600 phone +1 (310) 370-5700 fax http://www.shipmate.com |  <p>ShipMate® Dangerous Goods Training & Consulting</p> |

DEFINITION OF TERMS

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

GENERAL INFORMATION:

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

EXPOSURE LIMITS IN AIR:

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

FIRST AID MEASURES:

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



































HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS













HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

| | | | |
|----------|---|----------|---|
| A |  | G |    |
| B |   | H |     |
| C |    | I |    |
| D |    | J |     |
| E |    | K |     |
| F |     | X | Consult your supervisor or S.O.P. for special handling directions. |

| | | | |
|--|---|--|--|
|  Safety Glasses |  Splash Goggles |  Face Shield & Eye Protection |  Gloves |
|  Boots |  Synthetic Apron |  Full Suit |  Dust Respirator |
|  Vapor Respirator |  Dust & Vapor Respirator |  Full Face Respirator |  Airline Hood/Mask or |

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

FLAMMABILITY LIMITS IN AIR:

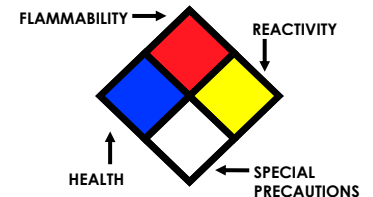
| | |
|---------------------------------|---|
| Autoignition Temperature | Minimum temperature required to initiate combustion in air with no other source of ignition |
| LEL | Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition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

OTHER STANDARD ABBREVIATIONS:

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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA 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 |




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, & LD₀₁ or TC, TC₀₁, LC₁₀, & 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) |
| CPR | Canada's Controlled Product Regulations |

EC INFORMATION:

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

WHMIS INFORMATION:

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