


Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 2020/878/EU Standards      SDS Revision: 1.1      SDS Revision Date: 7/5/2024

**1. PRODUCT & COMPANY IDENTIFICATION**

|     |                        |  |
|-----|------------------------|--|
| 1.1 | Product Name:          | <b>ACTIVE® JETTED TUB CLEANER</b>                                  |
| 1.2 | Chemical Name:         | NA   |
| 1.3 | Synonyms:              | NA   |
| 1.4 | Trade Names:           | Active® Jetted Tub Cleaner   |
| 1.5 | Product Use:           | Jetted Tub Cleaner   |
| 1.6 | Distributor's Name:    | Active B, LLC  |
| 1.7 | Distributor's Address: | 3147 California Street, NE, Suite 100-A, Minneapolis, MN 55418 USA |
| 1.8 | Emergency Phone:       | <b>INFOTRAC +1 (800) 535-5053 / +1 (352-323-3500)</b>              |
| 1.9 | Business Phone / Fax:  | Tel: +1 (888) 997-2131)  |

**2. HAZARDS IDENTIFICATION**

|     |                        |   |   |
|-----|------------------------|---|---|
| 2.1 | Hazard Identification: | Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200. Canadian WHMIS and Australian Work Health and Safety standards.<br><b>WARNING! CAUSES SKIN IRRITATION. CAUSES SEROUS EYE IRRITATION.</b><br>Classification: Skin Irrit. 2, Eye Irrit. 2A   |   |
| 2.2 | Label Elements:        | <b>Hazard Statements (H):</b> H315 – Causes skin irritation. H319 – Causes serious eye irritation.<br><b>Precautionary Statements (P):</b> P264+P265 – Wash thoroughly after handling. Do not touch eyes. P280 – Wear eye/face protection. P302+P352 – IF ON SKIN: wash with plenty of water and soap. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 – Specific treatment: see section 4 of the Safety Data Sheet. P332+P317 – If skin irritation occurs: Get medical help. P337+P317 – IF eye irritation persists: Get medical help. P362+P364 – Take off contaminated clothing and wash it before reuse. P501 – Dispose of contents/container to a licensed treatment, storage, or disposal facility (TSDf). |  |
| 2.3 | Other Warnings:        | <b>KEEP OUT OF REACH OF CHILDREN.</b>   |   |

**3. COMPOSITION & INGREDIENT INFORMATION**

| CHEMICAL NAME(S)                               | CAS No.    | RTECS No. | EINECS No. | %    | EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> ) |      |        |         |         |      |      |      |  | OTHER |
|--|------------|-----------|------------|------|---|------|--------|---------|---------|------|------|------|--|-------|
|  |            |           |            |      | ACGIH                                       |      | NOHSC  |         |         | OSHA |      |      |  |       |
|  |            |           |            |      | TLV   | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL  | STEL | IDLH |  |       |
| PROPRIETARY INGREDIENTS                        | NA         | NA        | NA         | ≤ 90 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |  |       |
| ALKYL C12-16 DIMETHYL-BENZYL AMMONIUM CHLORIDE | 68424-85-1 | NA        | 270-325-2  | 5-10 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |  |       |
| ALCOHOLS C8-C10, ETHOXYLATED PROPOXYLATED      | 68603-25-8 | NA        | 614-633-0  | 5-10 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |  |       |
| TETRASODIUM EDTA                               | 64-02-8    | NA        | 200-573-9  | 1-5  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |  |       |
| SODIUM CARBONATE                               | 497-19-8   | 200-573-9 | 200-573-9  | 1-5  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |  |       |

**4. FIRST AID MEASURES**

|     |                      |  |
|-----|----------------------|--|
| 4.1 | First Aid:           | <b>Ingestion:</b> DO NOT INDUCE VOMITING. Contact 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.<br><b>Eyes:</b> 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.<br><b>Skin:</b> 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.<br><b>Inhalation:</b> Remove victim to fresh air at once. |
| 4.2 | Effects of Exposure: | <b>Ingestion:</b> If product is swallowed, may cause nausea, intestinal discomfort, vomiting and/or diarrhea.<br><b>Eyes:</b> Symptoms of overexposure may include redness, itching, irritation, and watering.<br><b>Skin:</b> May be irritating to skin in some sensitive individuals.<br><b>Inhalation:</b> None expected.   |


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**4. FIRST AID MEASURES – cont'd**

|     |  |  |
|-----|--|--|
| 4.3 | Symptoms of Overexposure:                  | Symptoms of overexposure may include redness, itching, irritation and watering. In some sensitive individuals, symptoms of skin overexposure may include redness, itching, and irritation of affected areas. |
| 4.4 | Acute Health Effects:                      | Moderate irritation to eyes. Moderate irritation to skin near affected areas and with some sensitive individuals.  |
| 4.5 | Chronic Health Effects:                    | No harmful or chronic health effects are expected to occur from a single accidental ingestion. Components of this product contained in very small, may be mild allergens to some sensitive individuals.      |
| 4.6 | Target Organs:                             | Eyes, Skin   |
| 4.7 | Medical Conditions Aggravated by Exposure: | Pre-existing dermatitis, and disorders of the target organs (eyes).  |

|                             |             |
|-----------------------------|-------------|
| <b>HEALTH</b>               | <b>1</b>    |
| <b>FLAMMABILITY</b>         | <b>0</b>    |
| <b>PHYSICAL HAZARDS</b>     | <b>0</b>    |
| <b>PROTECTIVE EQUIPMENT</b> | <b>B</b>    |
| <b>EYES</b>                 | <b>SKIN</b> |

**5. FIREFIGHTING MEASURES**

|     |                           |   |   |
|-----|---------------------------|---|---|
| 5.1 | Fire & Explosion Hazards: | If involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO <sub>2</sub> , NO <sub>x</sub> ).  |  |
| 5.2 | Extinguishing Methods:    | Water, Foam, CO <sub>2</sub> , Dry Chemical   |   |
| 5.3 | Firefighting 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 (PPE).<br>For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) or <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal protective equipment (e.g., goggles, gloves). Remove spilled 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. |
|-----|---------|---|

**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 and open flames. |
| 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 | Exposure Limits:<br>ppm (mg/m <sup>3</sup> ) |  | ACGIH |      | NOHSC  |         |         | OSHA |      |      | OTHER |   |
|     |  | CHEMICAL NAME(S)   | TLV   | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL  | STEL | IDLH |       |   |
| 8.2 | Ventilation & Engineering Controls:          | When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink, or washbasin is available in case of exposure to eyes.  |       |      |        |         |         |      |      |      |       |   |
| 8.3 | Respiratory Protection:                      | 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, E.C. member states, or Australia.                       |       |      |        |         |         |      |      |      |       |   |
| 8.4 | Eye Protection:                              | <b>AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.</b> Wear protective eyewear (e.g., safety glasses with side-shield) always when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. |       |      |        |         |         |      |      |      |       |  |
| 8.5 | Hand Protection:                             | None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.  |       |      |        |         |         |      |      |      |       |  |
| 8.6 | 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.   |       |      |        |         |         |      |      |      |       |   |

## 9. PHYSICAL & CHEMICAL PROPERTIES

|      |   |                            |
|------|---|----------------------------|
| 9.1  | Appearance:                                   | Clear to light blue liquid |
| 9.2  | Odor:   | Odorless                   |
| 9.3  | Odor Threshold:                               | NA                         |
| 9.4  | pH:   | 9.0-11.0                   |
| 9.5  | Melting Point/Freezing Point:                 | NA                         |
| 9.6  | Initial Boiling Point/Boiling Range:          | NA                         |
| 9.7  | Flashpoint:                                   | NA                         |
| 9.8  | Upper/Lower Flammability Limits:              | NA                         |
| 9.9  | Vapor Pressure:                               | NA                         |
| 9.10 | Vapor Density:                                | NA                         |
| 9.11 | Relative Density:                             | NA                         |
| 9.12 | Solubility:                                   | Complete in water          |
| 9.13 | Partition Coefficient (log P <sub>ow</sub> ): | NA                         |
| 9.14 | Autoignition Temperature:                     | NA                         |
| 9.15 | Decomposition Temperature:                    | NA                         |
| 9.16 | Viscosity:                                    | NA                         |
| 9.17 | Other Information:                            | NA                         |

## 10. STABILITY & REACTIVITY

|      |                                   |   |
|------|-----------------------------------|---|
| 10.1 | Stability:                        | This product is stable.                             |
| 10.2 | Hazardous Decomposition Products: | Oxides of carbon (e.g., CO, CO <sub>2</sub> )       |
| 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 or reported.                             |

## 11. TOXICOLOGICAL INFORMATION

|      |                              |  |                 |                |
|------|------------------------------|--|-----------------|----------------|
| 11.1 | Routes of Entry:             | Inhalation: NO   | Absorption: YES | Ingestion: YES |
| 11.2 | Toxicity Data:               | This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product, but are not presented in this document.  |                 |                |
| 11.3 | Acute Toxicity:              | See Section 4.4  |                 |                |
| 11.4 | Chronic Toxicity:            | See Section 4.5  |                 |                |
| 11.5 | Suspected Carcinogen:        | 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |                 |                |
| 11.6 | 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 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 4.2  |                 |                |
| 11.8 | Biological Exposure Indices: | NE   |                 |                |
| 11.9 | Physician Recommendations:   | Treat symptomatically.   |                 |                |

## 12. ECOLOGICAL INFORMATION

|      |                              |                                       |
|------|------------------------------|---------------------------------------|
| 12.1 | Environmental Stability:     | There are no specific data available. |
| 12.2 | Effects on Plants & Animals: | There are no specific data available. |
| 12.3 | Effects on Aquatic Life:     | WGK: 2 (hazardous to water)           |

## 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.

|      |                      |               |
|------|----------------------|---------------|
| 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:  | This product contains Phosphoric Acid, a substance subject to SARA Title III, section 313 reporting requirements.   |
| 15.2 | SARA TPQ:                     | 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.  |
| 15.4 | CERCLA Reportable Quantity:   | NA  |
| 15.5 | Other Federal Requirements:   | This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.   |
| 15.6 | Other Canadian Regulations:   | This product has been classified according to the hazard criteria of the HPR and the SDS contains all the information required by the HPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List.   |
| 15.7 | State Regulatory Information: | <u>Tetrasodium EDTA</u> is listed on the following state criteria list(s): NJ, and PA.<br>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 (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).<br>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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |
| 15.8 | Other Requirements:           | NA  |

## 16. OTHER INFORMATION

|      |                      |   |  |
|------|----------------------|---|--|
| 16.1 | Other Information:   | <p><b>WARNING! CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.</b></p> <p>Wash thoroughly after handling. Do not touch eyes. Wear eye/face protection. IF ON SKIN: wash with plenty of water and soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: see section 4 of the Safety Data Sheet. If skin irritation occurs: Get medical help. If eye irritation persists: Get medical help. Take off contaminated clothing and wash it before reuse.</p> <p><b>KEEP OUT OF REACH OF CHILDREN.</b></p>   |  |
| 16.2 | Terms & Definitions: | See last page of this Safety Data Sheet.  |  |
| 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 & Active B, LLC'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. ShipMate, Inc., and Active B, LLC are not liable for any claims, losses, or damages of any third party, special, indirect, incidental, consequential, or exemplary damages from reliance on the information in this document. Be sure to consult the latest edition. |  |
| 16.4 | Prepared for:        | <p><b>Active B, LLC</b><br/>3147 California Street, NE, Suite 100-A<br/>Minneapolis, MN 55418 USA<br/>Tel: +1 (888) 997-2131<br/><a href="https://useactive.com">https://useactive.com</a></p>  | <br><br><br><i>Dangerous Goods<br/>Training &amp; Consulting</i> |
| 16.5 | Prepared by:         | <p><b>ShipMate, Inc.</b><br/>P.O. Box 787<br/>Sisters, Oregon 97759-0787 USA<br/>Tel: +1 (310) 370-3600<br/>Fax: +1 (310) 370-5700<br/><a href="http://www.shipmate.com">http://www.shipmate.com</a></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:

|                   |  |
|-------------------|--|
| <b>CAS No.</b>    | Chemical Abstract Service Number                                     |
| <b>RTECS No.</b>  | Registry of Toxic Effects of Chemical Substances Number              |
| <b>EINECS No.</b> | European Inventory of Existing Commercial Chemical Substances Number |

### EXPOSURE LIMITS IN AIR:

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

### FIRST AID MEASURES:

|            |  |
|------------|--|
| <b>CPR</b> | 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  |

|                            |
|----------------------------|
| <b>HEALTH</b>              |
| <b>FLAMMABILITY</b>        |
| <b>PHYSICAL HAZARDS</b>    |
| <b>PERSONAL PROTECTION</b> |

### 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                | Protective 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:

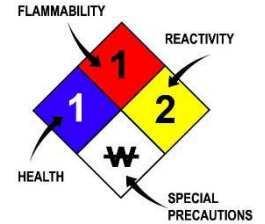
|                |  |
|----------------|--|
| <b>Carc</b>    | Carcinogenic                                     |
| <b>Irrit</b>   | Irritant   |
| <b>NA</b>      | Not Available                                    |
| <b>NR</b>      | No Results                                       |
| <b>ND</b>   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

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

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



### TOXICOLOGICAL INFORMATION:

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

### REGULATORY INFORMATION:

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

### 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 |