


1. PRODUCT & COMPANY IDENTIFICATION

| | | |
|-----|------------------------|--|
| 1.1 | Product Name: | ACTIVE® SEAL & GROUT MOLD STAIN REMOVER GEL |
| 1.2 | Chemical Name: | NA |
| 1.3 | Synonyms: | NA |
| 1.4 | Trade Names: | Active® Seal & Grout Mold Stain Remover Gel |
| 1.5 | Product Use: | Seal & Grout Mold Stainer 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: | INFOTRAC +1 (800) 535-5053 // +1 (352-323-3500) |
| 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 Regulations. DANGER! CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. <u>Classification:</u> Skin Irrit. 2, Eye Dam. 1 |
| 2.2 | Label Elements: | <div> <p><u>Hazard Statements (H):</u> H315 – Causes skin irritation. H318 - Causes serious eye damage. <u>Precautionary Statements (P):</u> P264+P265 – Wash thoroughly with soap and water after handling. Do NOT touch eyes. P273 – Avoid release to the environment. P280 – Wear protective gloves/ protective clothing /eye protection / face protection. P305+P354+P338 – IF IN EYES: Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P317 – Get medical help. P321 – Specific treatment see section 4 (first aid) of this SDS or container label. P332+P317 – If skin irritation occurs: Get medical help. P362+P364 – Take off contaminated clothing and wash it before reuse. P391 – Collect spillage. P405 – Store locked up. P406 – Store in a corrosion resistant container with a resistant inner liner. P501 - Dispose of contents/container to licensed treatment, storage and disposal facility (TSDF).</p> </div> <div>  </div> |
| 2.3 | Other Warnings: | In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. KEEP OUT OF REACH OF CHILDREN. |



3. COMPOSITION & INGREDIENT INFORMATION

| CHEMICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | EXPOSURE LIMITS IN AIR (mg/m³) | | | | | | | | OTHER |
|------------------------|--|-----------|------------|--------|--------------------------------|------|--------|---------|---------|-----|------|------|-------|
| | | | | | ACGIH | | NOHSC | | OSHA | | | | |
| | | | | | ppm | | Ppm | | ppm | | | | |
| | | | | | TLV | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL | STEL | IDLH | |
| WATER | 7732-18-5 | ZC0110000 | 231-791-2 | 60-100 | NA | NA | NF | NF | NF | NA | NA | NA | |
| SODIUM HYPOCHLORITE | 7681-52-9 | NA | 231-668-3 | < 10 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | Skin Corr. 1B; Aq. Acute 1; H314, H400 | | | | | | | | | | | | |
| SODIUM LAURETH SULFATE | 9004-82-4 | WB7499000 | 618-398-5 | 5-10 | NA | NA | NF | NF | NF | NA | NA | NA | |
| SODIUM SILICATE | 106985-35-7 | NA | NA | ≤ 5 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | | | | | | | | | | | | | |
| SODIUM POLYACRYLATE | 9004-32-4 | NA | 618-378-6 | ≤ 1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| SODIUM HYDROXIDE | 1310-73-2 | WB4900000 | 215-185-5 | ≤ 1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | Skin Corr. 1A; H314 | | | | | | | | | | | | |

4. FIRST AID MEASURES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|--------|---|--|--|---|--------------|--|--|--|---|------------------|--|--|--|---|----------------------|--|--|--|---|------|------|-------|--|--|
| 4.1 | First Aid: | <p><u>Ingestion:</u> DO NOT INDUCE VOMITING. Contact ChemTrec +1 (800) 424-9300 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><u>Eyes:</u> 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 the eyes or face become swollen during or following use, consult a physician or emergency room immediately.</p> <p><u>Skin:</u> Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned.</p> <p><u>Inhalation:</u> Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.2 | Effects of Exposure: | <p><u>Eyes:</u> Severe or permanent eye damage. Corrosive.</p> <p><u>Skin:</u> Severe irritation and possible burns.</p> <p><u>Ingestion:</u> Severe burns of mouth, throat, and stomach. Symptoms may include vomiting, diarrhea, and abdominal pain.</p> <p><u>Inhalation:</u> Severe irritation of respiratory tract and mucous membranes; coughing, difficulty breathing.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3 | Symptoms of Overexposure: | <p><u>Eyes:</u> Redness, burning, irritation, and swelling around eyes. Possible permanent eye damage.</p> <p><u>Skin:</u> Redness, burning, itching, rash, and scaling of the skin (dermatitis).</p> <p><u>Ingestion:</u> Nausea, vomiting, severe abdominal pain.</p> <p><u>Inhalation:</u> Coughing, wheezing, swelling of throat, irritation in mucous membranes, difficulty breathing.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.4 | Acute Health Effects: | Severe or permanent eye damage. Severe irritation and possible burns. Severe burns of mouth, throat, and stomach. Severe irritation of respiratory tract and mucous membranes. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.5 | Chronic Health Effects: | Severe or permanent eye damage. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.6 | Target Organs: | Eyes, skin, respiratory system. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7 | Medical Conditions Aggravated by Exposure: | <div><div>Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). Preclude from exposure those individuals that are susceptible to dermatitis, asthma, or bronchitis.</div><table><tr><td colspan="4">HEALTH</td><td>3</td></tr><tr><td colspan="4">FLAMMABILITY</td><td>0</td></tr><tr><td colspan="4">PHYSICAL HAZARDS</td><td>1</td></tr><tr><td colspan="4">PROTECTIVE EQUIPMENT</td><td>B</td></tr><tr><td>EYES</td><td>SKIN</td><td>LUNGS</td><td colspan="2"></td></tr></table></div> | HEALTH | | | | 3 | FLAMMABILITY | | | | 0 | PHYSICAL HAZARDS | | | | 1 | PROTECTIVE EQUIPMENT | | | | B | EYES | SKIN | LUNGS | | |
| HEALTH | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| FLAMMABILITY | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| PHYSICAL HAZARDS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| PROTECTIVE EQUIPMENT | | | | B | | | | | | | | | | | | | | | | | | | | | | | |
| EYES | SKIN | LUNGS | | | | | | | | | | | | | | | | | | | | | | | | | |

5. FIREFIGHTING MEASURES

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|-----|---------------------------|---|--|
| 5.1 | Fire & Explosion Hazards: | Non-flammable. Use media as appropriate for surrounding fire. Contact with metals may release flammable hydrogen gas. | |
| 5.2 | Extinguishing Methods: | Carbon dioxide, foam, water spray, Halon (if permitted), dry chemical extinguisher. | |
| 5.3 | Firefighting Procedures: | As with any fire, firefighters should wear appropriate protective equipment including a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, and/or nitrogen, hydrocarbons and/or derivatives. Fire should be fought from a safe distance. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. | |

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 (PPE). Use safety glasses or safety goggles and face shield; use gloves and other protective clothing (e.g., apron, boots, etc.) to prevent skin contact.</p> <p><u>Small Spills:</u> Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible, inert material such as vermiculite or sand to soak up the product and place into a corrosion resistant container with inner liner for later disposal.</p> <p><u>Large Spills:</u> Keep incompatible materials (e.g., organics such as oil) away from spills. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Recover as much free liquid as possible and collect in acid-resistant/ corrosion resistant container with inner liner for later disposal. Use absorbent to pick up residue. Avoid discharging liquid directly into a sewer or surface waters.</p> |
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7. HANDLING & STORAGE INFORMATION

| | | |
|-----|---------------------------|---|
| 7.1 | Work & Hygiene Practices: | Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Immediately clean-up and decontaminate any spills or residues. |
| 7.2 | Storage & Handling: | Keep only in original packaging. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Keep away from incompatible substances (see Section 10). Protect containers from physical damage. |
| 7.3 | Special Precautions: | Empty containers may retain hazardous product residues. |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

| 8.1 | Exposure Limits: ppm (mg/m ³) | CHEMICAL NAME(S) SODIUM HYDROXIDE | ACGIH | | NOHSC | | | OSHA | | | OTHER |
|-----|--|---|-------|------|--------|---------|---------|------|------|------|-----------|
| | | | TLV | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL | STEL | IDLH | |
| | | | (2) | NA | NF | 2 | NF | (2) | NA | (10) | (2) NIOSH |
| 8.2 | Ventilation & Engineering Controls: | Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). | | | | | | | | | |
| 8.3 | Respiratory Protection: | 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 (e.g., NIOSH approved respirator with full or half-face N95 cartridge) | | | | | | | | | |
| 8.4 | Eye Protection: | Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended. | | | | | | | | | |
| 8.5 | Hand Protection: | Wear protective, chemical-resistant gloves (e.g., neoprene, nitrile, butyl rubber) when using or handling this product. | | | | | | | | | |
| 8.6 | Body Protection: | A chemical resistant apron and/or protective clothing are recommended when handling or using this product. | | | | | | | | | |

9. PHYSICAL & CHEMICAL PROPERTIES

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|------|---|---|
| 9.1 | Appearance: | White gel |
| 9.2 | Odor: | Sharp, pungent, bleach-like odor |
| 9.3 | Odor Threshold: | NA |
| 9.4 | pH: | 10.5 @ 19 - 22°C |
| 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: | LEL: NA; UEL: NA |
| 9.9 | Vapor Pressure: | 17.5 mmHg @ 20 °C |
| 9.10 | Vapor Density: | 2.5 |
| 9.11 | Relative Density: | 1.083 |
| 9.12 | Solubility: | Soluble in water |
| 9.13 | Partition Coefficient (log P _{ow}): | NA |
| 9.14 | Autoignition Temperature: | NA |
| 9.15 | Decomposition Temperature: | NA |
| 9.16 | Viscosity: | NA |
| 9.17 | Other Information: | Evaporation Rate: < 1.0 (ethyl ether = 1.0) |

10. STABILITY & REACTIVITY

| | | |
|------|-----------------------------------|---|
| 10.1 | Stability: | This product is stable. |
| 10.2 | Hazardous Decomposition Products: | Oxides of carbon (e.g., CO, CO ₂) |
| 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: YES | 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, and is presented below: Sodium Hypochlorite: LD ₅₀ (oral, rat) = 8.91 g/kg; Sodium Hydroxide: LD ₅₀ (oral, rat) = 325 mg/kg | | |
| 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 www.P65Warnings.ca.gov . | | |
| 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. | | |

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0

SDS Revision Date: 7/4/2025

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: | Sodium Hypochlorite: LC ₅₀ = 0.065 mg/L (96h, Clupea pallas), EC ₅₀ = 4.9 mg/L (48h, Daphnia magna); EC ₅₀ = 0.05 mg/L, 72h (Pseudokirchnerella subcapitata). 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: | U.S. EPA Hazardous Waste: N/A |

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 PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.2 | IATA (AIR): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.3 | IMDG (OCN): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.4 | TDGR (Canadian GND): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.5 | ADR/RID (EU): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.6 | SCT (MEXICO): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |
| 14.7 | ADGR (AUS): | NOT REGULATED PER UNMR, Rev.7, 37.4, Test C.1 | |

15. REGULATORY INFORMATION

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|------|-------------------------------|--|
| 15.1 | SARA Reporting Requirements: | This product does not contain any substances 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: | <u>Sodium Hypochlorite</u> : 100 lbs (45.4 kg); <u>Sodium Hydroxide</u> : 1000 lbs (454 kg) |
| 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>Sodium Hypochlorite</u> is listed on the following state criteria list(s): MA, MN, NJ, and PA. <u>Sodium Hydroxide</u> is listed on the following state criteria list(s): FL, MA, MN, NJ, PA, and WA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (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). 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 . |
| 15.8 | Other Requirements: | NA |

16. OTHER INFORMATION

| | | | |
|------|----------------------|---|--|
| 16.1 | Other Information: | DANGER! CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. Wash thoroughly with soap and water after handling. Do NOT touch eyes. Avoid release to the environment. Wear protective gloves/ protective clothing /eye protection / face protection. IF IN EYES: Immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help. Specific treatment see section 4 (first aid) of this SDS or container label. If skin irritation occurs: Get medical help. Take off contaminated clothing and wash it before reuse. Collect spillage. Dispose of contents/container to licensed treatment, storage and disposal facility (TSDF). KEEP OUT OF REACH OF CHILDREN. | |
| 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: | Active B, LLC 3147 California Street, NE, Suite 100-A Minneapolis, MN 55418 USA Tel: +1 (888) 997-2131 https://useactive.com |  |
| 16.5 | Prepared by: | ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com |  |

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 | 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:

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

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

| |
|----------------------------|
| HEALTH |
| FLAMMABILITY |
| PHYSICAL HAZARDS |
| PERSONAL PROTECTION |

PERSONAL PROTECTION RATINGS:

| | |
|----------|--|
| A | |
| B | |
| C | |
| D | |
| E | |
| F | |

| | |
|----------|--|
| G | |
| H | |
| I | |
| J | |
| K | |
| X | Consult your supervisor or SOPs for special handling directions. |

| | | | |
|----------------------|-----------------------------------|----------------------------------|---------------------------|
| | | | |
| Safety Glasses | Splash Goggles | Face Shield & Protective Eyewear | Gloves |
| | | | |
| Boots | Protective Apron | Protective Clothing or Full Suit | Dust Respirator |
| | | | |
| Full-Face Respirator | Dust & Vapor Half-Mask Respirator | Full-Face Respirator | Airline Hood/Mask or SCBA |

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

| 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 | FLAMMABILITY | REACTIVITY |
| 1 Slight Hazard | | |
| 2 Moderate Hazard | | |
| 3 Severe Hazard | | |
| 4 Extreme Hazard | | |
| ACD Acidic | | SPECIAL PRECAUTIONS |
| ALK Alkaline | | |
| COR Corrosive | | |
| W Use No Water | | |
| OX Oxidizer | | |
| TREFOIL Radioactive | | |

TOXICOLOGICAL INFORMATION:

| | |
|---|---|
| LD₅₀ | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
| LC₅₀ | Lethal concentration (gases) which kills 50% of the exposed animal |
| ppm | Concentration expressed in parts of material per million parts |
| TD₀₁ | Lowest dose to cause a symptom |
| TCLo | Lowest concentration to cause a symptom |
| TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁ | Lowest dose (or concentration) to cause lethal or toxic effects |
| IARC | International Agency for Research on Cancer |
| NTP | National Toxicology Program |
| RTECS | Registry of Toxic Effects of Chemical Substances |
| BCF | Bioconcentration Factor |
| TL_m | Median threshold limit |
| log K_{ow} or log K_{oc} | Coefficient of Oil/Water Distribution |

REGULATORY INFORMATION:

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

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

| | | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|---------------|--------------|
| | | | | | | | | |
| GHS01 | GHS02 | GHS03 | GHS04 | GHS05 | GHS06 | GHS07 | GHS08 | GHS09 |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful or Irritating | Health Hazard | Environment |