



SAFETY DATA SHEET (SDS)



Section 1: PRODUCT & COMPANY IDENTIFICATION

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| Product Name | ULTRAVIOLET® CLEAR Snow & Ice Melt, Maximum Power |
| CAS # | 7647-14-5, 7791-18-6 |
| Product Use | De-icer |
| Manufacturer(s) | Salt Depot Inc. 5442 Wells Park Road West Jordan, UT 84081 801-282-1250 |
| Blending/Bagging | |
| Supplier | ULTRAVIOLET®, Inc. 5842 Royaltown Drive Murray, UT 84107 888.88ICEMELT |
| 24 Hour Hotline | CHEMTREC 800-424-9300 |

Section 2: HAZARDS IDENTIFICATION

THIS PRODUCT, IN ITS ENTIRETY, AS WELL AS ITS INDIVIDUAL COMPONENTS, IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA HAZCOM2012 REGULATIONS OR THE CANADIAN W.H.I.M.I.S. REGULATIONS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient(s) | CAS# | Percent |
|--------------------|------------|---------|
| Magnesium Chloride | 7791-18-6 | 6% |
| Sodium Chloride | 7647-14-5 | 92% |
| Calcium Chloride | 10043-52-4 | 1% |
| Potassium Chloride | 7447-40-7 | 1% |

Section 4: FIRST AID MEASURES

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| First Aid Procedures | |
| Eye Contact | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists. |
| Skin Contact | Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists. |
| Inhalation | If symptoms develop move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention. |
| Ingestion | Do not induce vomiting. Rinse mouth with water, then drink 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing. |
| Notes to Physician | Symptoms may be delayed. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. |

Section 5: FIRE FIGHTING MEASURES

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| Flammable Properties | Not flammable by WHMIS/OSHA criteria. |
| Flash Point & Method | N/A |
| Flammable Limits | N/A |
| Extinguishing Media | |
| Suitable Extinguishing Media | Treat for surround material, water spray, dry chemicals, foam or carbon dioxide. |
| Unsuitable Extinguishing Media | N/A |

Section 5: FIRE FIGHTING MEASURES, continued

Protection of Firefighters

Specific Hazards Arising from chemical Protective Equipment for Firefighters N/A Full protective clothing, including self contained breathing apparatus.

Unusual Fire & Explosion Hazards None

NFPA FIRE HAZARDS

Health: 1
 Fire: 0
 Reactivity: 0
 Specific: N/A

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| LEGEND | Minimal | 0 |
| | Slight | 1 |
| | Moderate | 2 |
| | Serious | 3 |
| | Severe | 4 |

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear suitable protective clothing, gloves and eye/face protection.

Methods of Containment None necessary.

Methods for Cleaning Up Use broom, shovel or dry vacuum to collect material for proper disposal without raising dust. Discard in normal waste disposal with accordance with local regulations. Following product recovery, flush area with water.

Section 7: HANDLING & STORAGE

Handling Storage Use care in handling/storage. Avoid breathing dust. Keep out of reach of children. Keep containers tightly closed when not in use in a cool, dry, well-ventilated place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits No exposure limits noted for ingredient(s).

Biological Limit Values No biological exposure limits noted for ingredient(s).

Appropriate Engineering Controls TWA PEL: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise regulated (PNOR):
 5mg/cu.m. Respirable Dust 8-hr TWA PEL, 15mg/cu.m. Total Dust 8-hr TWA PEL

TWA TLV: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise classified (PNOC):
 10mg/cu.m. Respirable dust 8-hr TWA TLV, 15mg/cu.m. Total dust 8-hr TWA TLV

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

Personal Protective Equipment

Eye / Face Protection Safety Glasses
Hand Protection Rubber gloves. Confirm with a reputable supplier first
Skin & Body Protection As required by employer code.
Respiratory Protection Where exposure guideline may be exceeded, use an approved NIOSH respirator or NIOSH approved filtering facepiece.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks & immediately after handling product.

| Section 9: PHYSICAL & CHEMICAL PROPERTIES | |
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| Appearance | Crystalline |
| Physical State | Solid |
| Form | Crystalline |
| Color | Colorless to White |
| Odor | Odorless |
| Odor Threshold | N/A |
| pH | 6-8 neutral |
| Melting Point | 800.9 C (1473.8 F) |
| Freezing Point | N/A |
| Boiling Point | 1413 C (2575.4 F) |
| Flash Point | N/A |
| Evaporation Rate | N/A |
| Flammability limits in air, lower, % by volume | N/A |
| Flammability limits in air, upper, % by volume | N/A |
| Vapor Pressure | 0.1 kPa (1mmhg)@865 C |
| Vapor Density | N/A |
| Specific Gravity | 2.17 (H@) @20 C |
| Relative Density | 2.17 g/cm3 |
| Octanol/Water Coefficient | N/A |
| Solubility (H2O) | 36g/100g H2O @20 C N/A |
| Partition Coefficient | N/A |
| Auto-ignition Temperature | N/A |
| Percent Volatile | 0% w/w |
| Molecular Weight | 58.4400 g/mole |
| Molecular Formula | NaCl, MgC12.6H20 |
| Section 10: CHEMICAL STABILITY REACTIVITY INFORMATION | |
| Chemical Stability | Material is stable under normal conditions. |
| Conditions to Avoid | Contact with incompatible materials. |
| Incompatible Materials | Reactive with oxidizing agents, acids, metals in presence of moisture, lithium, bromine, trifluoride. |
| Hazardous Decomposition Products | May include and are not limited to: Hydrogen chloride. Chlorine gas. Oxides of magnesium. |
| Possibility of Hazardous Reactions | No dangerous reaction known under conditions of normal use. |
| Section 11: TOXICOLOGICAL INFORMATION | |
| Component Analysis-LC50 Ingredients | LC50 |
| Sodium Chloride | >21000mg/m3 rat |
| Magnesium Chloride | N/A |
| Component Analysis-Oral LD50 Ingredients | LD50 |
| Sodium Chloride | 3000 mg/kg rat;10,000 mg/kg rabbit |
| Magnesium Chloride | 8100 mg/kg rat;7600 mg/kg mouse |
| Effects of Acute Exposure | |
| Eye | Direct contact with eyes may cause temporary irritation. |
| Skin | No adverse effects due to skin contact are expected. |
| Inhalation | Dust of this product may cause irritation of the nose, throat, & respiratory tract. |
| Ingestion | Expected to be a low ingestion hazard. |
| Sensitization | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Chronic Effects | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Carcinogenicity | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Mutagenicity | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Reproductive Effects | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Teratogenicity | Not classified or listed by IARC, NTP, OSHA, and ACGIH. |
| Section 12: ECOLOGICAL INFORMATION | |
| Excotoxicity | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large of frequent spills can have a harmful or damaging effect on the environment. |
| Component Analysis | |
| Sodium Chloride | LC50 (Lepomis macrochirus) 5,840 mg/L - 96 hours NOEC Daphnia 1,500 mg/L - 7 days LC50 (Daphnia magna) 1,661 mg/L - 48 hours |
| Magnesium Chloride Hexahydrate | EC50 Calanoid copepod 95-342 mg/L, 48 hours LC50 Fathead minnow 1580-2740 mg/L, 96 hours |
| Persistence / Degradability | N/A |
| Bioaccumulation / Accumulation | N/A |
| Mobility in Environmental Media | N/A |
| Chemical Fate Information | N/A |
| Other Adverse Effects | None reported |

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| Section 13: | DISPOSAL CONSIDERATIONS |
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| Waste codes | Not available. |
| Disposal instruction product/packaging waste | Dispose of content and/or container in accordance with federal, state & local environmental controls and regulations. |

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| Section 14: | TRANSPORTATION INFORMATION |
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| U.S. Department of Transportation (DOT) | Not regulated as dangerous goods |
| Transportation of Dangerous Goods (TDG-Canada) | Not regulated as dangerous goods. |

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| Section 15: | REGULATORY INFORMATION |
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| Canadian Federal Regulations | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required. | |
| WHMIS status | Not Controlled | |
| US Federal Regulations | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200. | |
| OSHA 29 CFR 1910.1200 Hazardous Chemical | Not listed | |
| CERCLA Hazardous Substance List (40 CFR 302.4) | Not listed | |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D) | Not regulated | |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | | |
| Hazard Categories | Immediate Hazard - No | |
| | Delayed Hazard - No | |
| | Fire Hazard - No | |
| | Pressure Hazard - No | |
| | Reactivity Hazard - No | |
| Section 302 Extremely Hazardous Substance | No | |
| Section 311/312 Hazardous Chemical | No | |
| Section 313 TRI reporting | Not regulated | |
| Clean Air Act Section 112(r) Accidental Release Prevention (40 CFR 68.130) | Not regulated | |
| Clean Air Act Section 112 Hazardous Air Pollutants (HAPs) List | Not regulated | |
| Clean Water Act (CWA) | Not regulated | |
| Safe Drinking Act (SDWA) | Not regulated | |
| Drug Enforcement Agency (DEA) Food and Drug Administration | Total food additive | |
| US State Regulations | | |
| California Prop 65 | This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. | |
| Massachusetts, Pennsylvania, Rhode Island RTK | Not Regulated | |
| Inventory Status | | |
| Country or Region | Inventory Name | On Inventory (yes/no) |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NSDL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |
| A "YES" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). | | |

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| Section 16: | OTHER INFORMATION |
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| Disclaimer | Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. |
| SDS Revision Date | 07-September-2019 |
| Other Information | This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012) |