



SAFETY DATA SHEET (SDS)

ULTRAVIOLET^{INC}

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name ULTRAVIOLET® CLEAR Snow & Ice Melt, Maximum Power
CAS # 7647-14-5, 7791-18-6
Product Use De-icer

Manufacturer(s) Blending/Bagging Salt Depot Inc.
5442 Wells Park Road
West Jordan, UT 84081 801-282-1250

Supplier ULTRAVIOLET®, Inc.
6190 Cougar Lane
Kamas, UT 84036 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

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

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

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
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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
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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
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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	

Section 13:	DISPOSAL CONSIDERATIONS		
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.		
Section 14:	TRANSPORTATION INFORMATION		
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods		
Transportation of Dangerous Goods (TDG-Canada)	Not regulated as dangerous goods.		
Section 15:	REGULATORY INFORMATION		
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).			
Section 16:	OTHER INFORMATION		
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	03-November-2020		
Other Information	This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012)		