

SAFETY DATA SHEET

Section 1: PRODUCT & COMPANY IDENTIFICATION			
Product Name	ULTRAVIOLET SOLARIZE™ Snow & Ice Melt		
Product Use	De-icer		
Supplier	ULTRAVIOLET®, Inc. Salt Lake City, UT 888-88ICEMELT		
Manufactured by	Great American Supply Inc. 251 S. Industrial Loop Road Tooele, UT 84074		
24 Hour Emergency Contact	CHEMTREC 800-424-9300		
Section 2: HAZARDOUS IDENTIFICATION			
GHS Classification	Eye Irritant (Category 2A), Skin Irritant (Category 2)		
Signal Word	Warning		
Hazard Statement	Causes severe eye irritation. Causes skin irritation.		
Precautionary Statements	Wash hands thoroughly after handling. Wear protective gloves and eye protection. Do not eat, drink or smoke when using this product. Keep out of reach of children.		
Section 3: COMPOSITION / INFORMATION ON INGREDIENTS			
Substance(s) /Mixture	CAS#	% by Weight	Notes
Sodium Chloride	7647-14-5	~90-93%	Harvested raw Solar Salt
Calcium Chloride	10043-52-4	5%	
Magnesium Chloride Aqueous Solution	7786-30-3	~2%	
Calcium Chloride	10043-52-4	~1%	Naturally present in solar salt
Magnesium Chloride	7786-30-3	~1%	Naturally present in solar salt
Potassium Chloride	7747-40-7	~1%	Naturally present in solar salt
Purple Colorant Blend	Proprietary	<1%	
Section 4: FIRST AID MESURES			
Eye Contact	Flush eyes with water.		
Skin Contact	Wash with soap and plenty of water.		
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.		
Ingestion	Rinse mouth, drink water. Do not induce vomiting. Seek medical attention if symptoms persist.		
Notes to Physician	Treat symptomatically. Symptoms may be delayed.		
Section 5: FIRE FIGHTING MEASURES			
Flammability	Not Flammable by WHMIS/OSHA criteria.		
Suitable Extinguishing Media	Water spray, dry chemical, foam, carbon dioxide.		
Special Protective Equipment	Full protective gear and self-contained breathing apparatus if necessary.		
Special Hazards from Mixture	Hydrogen Chloride gas, Sodium Oxides		

Section 6: ACCIDENTAL RELEASE MEASURES

Wear appropriate protective equipment. Avoid dust formation. Sweep, shovel or vacuum without raising dust. Keep in suitable, closed containers for disposal. Flush the area with water after clean-up. Dispose in accordance with local regulations.

Section 7: HANDLING & STORAGE

Wear appropriate protective equipment when handling the product to avoid eye and skin contact. Avoid breathing dust. Wash after handling. Store in tightly closed containers in a cool, dry, well-ventilated area away from strong oxidizing agents. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	PNOR (OSHA): 5 mg/m ³ (respirable), 15 mg/m ³ (total dust) PNOC (ACGIH): 10 mg/m ³ (inhalable), 3 mg/m ³ (respirable)
Engineering Controls	Use ventilation to keep dust below exposure limits.
Personal Protective Equipment (PPE)	
• Respiratory Protection	Dust mask or NIOSH respirator if dust is excessive.
• Skin Protection	Gloves should be worn when excessive skin contact cannot be avoided.
• Eye Protection	Eye protection is recommended in all industrial workplaces.

Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	Purple crystalline solid
Odor	Slightly aromatic
pH	6-8 (10% solution)
Melting point	~800 °C (1,474 °F)
Initial boiling point	1,413 °C (2,575 °F)
Flash point	>212 °F (100 °C)
Solubility	Soluble in water
Relative Density	2.17 g/cm ³
Percent Volatile	0%

Section 10: CHEMICAL STABILITY

Stability	Stable under normal conditions.
Incompatible Materials	Strong acids, oxidizers, metals in moist conditions
Hazardous Decomposition	No data available. In the event of fire: see Section 5

Section 11: TOXICOLOGICAL INFORMATION

No specific exposure limit values	PNOR (OSHA): 5 mg/m ³ (respirable), 15 mg/m ³ (total dust)
Nuisance Dust values	PNOC (ACGIH): 10 mg/m ³ (inhalable), 3 mg/m ³ (respirable)
Eye Contact	Direct contact may cause irritation.
Skin Contact	Prolonged exposure may cause irritation.
Inhalation	Nuisance dust may irritate the respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation.
Chronic Effects	No evidence of adverse effects.

Not listed as a carcinogen or mutagen by OSHA, IARC, NTP or ACGIH.

Section 12: ECOLOGICAL INFORMATION

Not classified as environmentally hazardous, but large spills may affect vegetation or freshwater species.

Ecotoxicity LC50 (Fish): 5560-12946 mg/L (96h, *Lepomis macrochirus*)
Daphnia EC50: 240-1000 mg/L (48h)

Section 13: DISPOSAL CONSIDERATIONS

Dispose of product and containers in accordance with federal, state, and local regulations. Do not dump surplus product directly into storm drains or waterways.

Section 14: TRANSPORTATION INFORMATION

Classification

- DOT Not regulated as dangerous goods
- TDG Not regulated as dangerous goods
- IMDG Not regulated as dangerous goods
- IATA Not regulated as dangerous goods

Section 15: REGULATORY INFORMATION

OSHA HazCom	Irritant
WHMIS	Not controlled
TSCA	All ingredients listed
California Prop 65	No listed chemicals
SARA 302/311/312/313	Not applicable

Section 16: OTHER INFORMATION

This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012)

Prepared By ULTRAVIOLET® Inc.
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