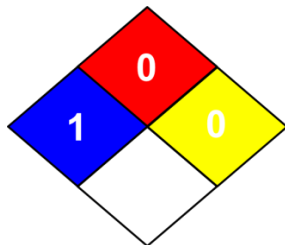


Safety Data Sheet

Version: 5.0

Preparation Date: December, 2015
Supersedes All Previous Versions

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



Product Name: GLACIER GLADIATOR
Product Use: De-icing, Anti-icing
Manufacturer/Distributor: Haven Salt Company LLC/ Innovative Surface Solutions
409 N. State St
Clarks Summit,
PA 18411
454 River Road
Glenmont, NY
12077
Telephone: 570-586-0100 1-800-257-5808
24-Hour Emergency Telephone: 613-996-6666 1-800-424-9300
WHMIS Classification: Not controlled
Chemical Family: Inorganic salt solution

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification		
Physical	Health	Environment
Not Hazardous	Not Hazardous	Not Hazardous

GHS Label Element

Not Hazardous

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Sodium Chloride	7647-14-5	94.0%
Magnesium Chloride	7786-30-3	1.2%
Proprietary Ingredients	-	0.29%

SECTION 4: FIRST-AID MEASURES

Eye May cause slight eye irritation, immediately wash with water for 15 minutes. Get medical attention if irritation persists.
Skin May cause skin irritation, wash skin thoroughly with soap and water. Get medical attention if irritation develops or persists.
Ingestion Low in toxicity. May cause diarrhea and vomiting when large quantities are ingested.
Inhalation Not applicable

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed.

Specific Hazards Arising from the Chemical Protective Equipment and Precaution Expose to temperature above 160 C gives formation of toxic chloride gases
Protective actions and / or special protective equipment depending on surrounding fire. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Risks and Spills	Seep up material and collect in a suitable container for disposal Flush spill area with water
Protective Equipment and Exposure Control	Report releases as per local, state and federal authorities See Section 9 for details

SECTION 7: HANDLING & STORAGE

Precaution for Safe Handling	Wear protective equipment and equipment. Avoid contact with eyes, skin and clothing. Avoid breathing mist or aerosols Wash your skin thoroughly with soap and water after handling, if product comes in contact.
Safe Storage / Incompatibilities	Store in cool, dry, well-ventilated area away from incompatible material. Carbon Steel, polyester, polyethylene and polypropylene are suitable material for construction.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Control	Not established, no special precaution required.
Respiratory Protection	For dusty or misty conditions, wear NIOSH approved dust or mist respirator.
Skin Protection	Wear rubber gloves, boots and long sleeve shirts.
Eye Protection	Wear safety goggles.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid
Appearance Odor:	Orange color / odorless
Odor Threshold:	Not established
Specific Gravity:	1137 Kg / m ³
pH:	Not applicable
Vapor Pressure:	Not determined
Solubility in Water:	Completely
% Volatile:	Not determined
Vapor Density:	Not determined

SECTION 10: STABILITY & REACTIVITY

Reactivity / Chemical Stability	Not reactive. Stable under normal storage and handling conditions.
Conditions to Avoid	Temperature below or close to product freezing point can give formation of crystals during storage.
Incompatible Material	Strong oxidizing agents, concentrated acids and some metals.
Hazardous Decomposition Products	Above 160 C product decomposes and emits hydrogen chloride, halogenated compounds and chloride gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion	Ingestion may cause slight irritation.
Inhalation	Inhalation of mist may cause slight irritation of nose, throat and upper respiratory tract.
Eye	May cause minor irritation with pain and tearing.
Skin	May cause slight irritation on prolonged or repeated contact.
Carcinogenicity	None of the component in the product is listed as carcinogen or suspected carcinogen by IARC, NTP or OSHA.
Reproductive Toxicity	None.
Oral (rate) LD 50	8100 mg / Kg
Appraisal	The material is classified as not toxic.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity	No data available.
Persistence and Degradability	Biodegradation is not applicable to inorganic substances.
Bio accumulative Potential	No data available.
Mobility in Soil	No data available.
Other Adverse Effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	Not regulated
UN Number	None
Hazard Class / packing Group	None
Label Required	None

SECTION 15: REGULATORY INFORMATION

CERCLA	This product is not subjected to CERCLA release reporting. Many States have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA Hazard Category (311 / 312)	Not Hazardous
SARA 313	None
EPA TSCA Inventory	All of the ingredients in this product are listed on the EPA TSCA Inventory.
CEPA	All the components of this product are listed on the Canadian DSL
WHMIS Classification	Not classified as dangerous.

SECTION 16: PREPARATION INFORMATION

Prepared By:	Innovative Surface Solutions
Telephone:	905-427-0318
Preparation Date:	December, 2015
Superseded Date:	ALL PREVIOUS VERSIONS