SAFETY DATA SHEET

Rock Salt Ron Halite

SDS NO: Rock Salt Ron Halite **Rev. Date: 01-NOV-2022** **Rev. Num.:04**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:
Hot Salt LLC
125 Frank B Murray Street
Springfield MA,01103

24 Hour Emergency Telephone Number: CCN678493 . CHEMTREC:1-800-424-9300

To Request an SDS: SDS@ www.deicingdepot.com or -954-781-9200
Customer Service: 954-781-9200
Product Use: Ice Melting

2. HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

Color: **white**
Physical State: Crystals
Odor: Odorless
Signal Word: WARNING

MAJOR HEALTH HAZARDS: CAUSES EYE AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

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POTENTIAL HEALTH EFFECTS:

Inhalation: Irritation of respiratory tract. .

Skin contact: Large amounts can cause irritation

Eye contact: For Crystals: May cause slight eye irritation, mechanical injury only.

Ingestion: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation or ulceration.

See Section 11: TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENT

Component	%	CAS Number
Sodium chloride	> 98	7647-14-5

4. FIRST AID MEASURES

INHALATION: Move person to fresh air; if effects occur, consult a physician.
SKIN CONTACT: Wash off immediately with plenty of water.
EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
INGESTION: If swallowed, do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.
Protection of First-Aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to Physician: Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Fire Hazard: This material does not burn
Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.
Fire Fighting: Keep unnecessary people away, isolate hazard area and deny entry. This material does not burn. Fight fire for other material that is burning. Water should be applied in large quantities as fine spray. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Wear protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Lower Flammability Level (air): Not applicable
Upper Flammability Level (air): Not applicable
Flash point: Not applicable
Autoignition Temperature: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Occupational Release: Small and large spills: Contain spilled material if possible. Collect in suitable and properly labeled containers. Flush residue with plenty of water. See Section 13, Disposal Considerations, for additional information.
Personal Precautions: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.
Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

7. HANDLING AND STORAGE

Storage Conditions: Store in a dry place. Protect from atmospheric moisture. becomes hydroscopic at 70% humidity.

Handling Procedures: Avoid contact with strong acid. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure limit(s): As listed below

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Particulates not otherwise regulated	TWA 15 mg/m3 (total) TWA 5 mg/m3	-----	-----

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

Non-Regulatory Exposure limit(s): As listed below

Component	CAS NUMBER	ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA (VACATED)	OSHA STEL (VACATED)	OSHA CEILING (VACATED)
Particles Not Otherwise Specified (PNOS)	Not Assigned		----------	----------	----------	----------	----------

- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits shown in the table are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Additional Advice: Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

ENGINEERING CONTROLS: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT:
Eye Protection: Wear safety glasses with side-shields. For dusty operations or when handling solutions of the material, wear chemical goggles.
Skin and Body Protection: Wear clean, body-covering clothing

Hand Protection: Use gloves chemically resistant to this material. If hands are cut or scratched, use gloves chemically resistant to this material even for brief exposures. Examples of preferred glove barrier materials include: Neoprene, Polyvinyl chloride ("PVC" or "vinyl"), Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In dusty or misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: High efficiency particulate air (HEPA) N95. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystals
Color: white
Odor: Odorless
Freezing Point/Range: Not applicable to solids
Melting Point/Range: 772 °C (1,422 °F) Literature Approximately
Decomposition Temperature: Not applicable
Vapor Pressure: Literature negligible at ambient temperature
Vapor Density (air=1): Not applicable
Specific Gravity (water=1): Not applicable to solids
Bulk Density: 58 - 66 lb/ft3 Estimated
Water Solubility: Readily soluble
pH: Not applicable to solids
Flash point: Not applicable
Lower Flammability Level (air): Not applicable
Upper Flammability Level (air): Not applicable
Autoignition Temperature: Not applicable
Hygroscopic: Yes

10. STABILITY AND REACTIVITY

Reactivity/ Stability: Stable. Hygroscopic.
Conditions to Avoid: None known. Avoid moisture.

Incompatibilities/ Materials to Avoid: Avoid contact with: Sulfuric acid. Corrosive when wet.

Hazardous Decomposition Products: Does not decompose

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

LD50 Oral: Typical for this family of materials. LD50, Rat 918 - 1,668 mg/kg
LD50 Dermal: For the major component(s): LD50, Rabbit > 5,000 mg/kg

CHRONIC TOXICITY:
sodium chloride has shown a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys.

CARCINOGENICITY: This product is not classified as a carcinogen by NTP, IARC or OSHA.

MUTAGENIC DATA. The data presented are for the following material: Magnesium chloride – – In vitro genetic toxicity studies were negative. The data presented are for the following material:): Sodium chloride – In vitro genetic toxicity studies were predominantly negative.

DEVELOPMENTAL TOXICITY: For the major component(s): Did not cause birth defects or any other fetal effects in laboratory animals.

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

Aquatic Toxicity:
Material is practically non-toxic to aquatic organisms on an acute basis
(LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested)

Freshwater Fish Toxicity:
Sodium Chloride: LC50, fathead minnow (Pimephales promelas): 10,610 mg/l

Invertebrate Toxicity:
Sodium Chloride: LC50, water flea Daphnia magna: 4,571 mg/l

Algae Toxicity:
Sodium Chloride: IC50, OECD 209 Test; activated sludge, respiration inhibition: > 1,000 mg/l

FATE AND TRANSPORT:

BIODEGRADATION: Biodegradation is not applicable.

BIOCONCENTRATION: No bioconcentration is expected because of the relatively high water solubility. Potential for mobility in soil is very high (Koc between 0 and 50). Partitioning from water to n-octanol is not applicable.

13. DISPOSAL CONSIDERATIONS

Reuse or recycle if possible. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Report spills if applicable. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Landfill and waste water treatment system.

14. TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:

Status: Not regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:
Status: Not regulated

15. REGULATORY INFORMATION

U.S. REGULATIONS

-OSHA REGULATORY STATUS:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

-CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

-EPCRA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): Not regulated

-EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):
Acute Health Hazard

-EPCRA SECTION 313 (40 CFR 372.65):
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

-OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119): Not regulated

NATIONAL INVENTORY STATUS

-U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt

-TSCA 12(b): This product is not subject to export notification

-Canadian Chemical Inventory: Canadian Chemical Inventory:

STATE REGULATIONS: N/A

Sodium Chloride	
California Proposition 65 CRT List - Male reproductive toxin:	Not Listed
California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Not Listed
New Jersey Right to Know Hazardous Substance List	Not Listed
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Not Listed
Pennsylvania Right to Know Hazardous Substance List	Not Listed
Pennsylvania Right to Know Special Hazardous Substances	Not Listed
Pennsylvania Right to Know Environmental Hazard List	Not Listed
Rhode Island Right to Know Hazardous Substance List	Not Listed
Potassium Chloride	
California Proposition 65 Cancer WARNING:	Not Listed
California Proposition 65 CRT List – Male reproductive toxin:	Not Listed
California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Not Listed
New Jersey Right to Know Hazardous Substance List	Not Listed
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Not Listed
Pennsylvania Right to Know Hazardous Substance List	Not Listed
Pennsylvania Right to Know Special Hazardous Substances	Not Listed
Pennsylvania Right to Know Environmental Hazard List	Not Listed
Rhode Island Right to Know Hazardous Substance List	Not Listed
Sodium chloride	
California Proposition 65 Cancer WARNING:	Not Listed
California Proposition 65 CRT List - Male	Not Listed
California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Not Listed
New Jersey Right to Know Hazardous Substance List	Not Listed
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Not Listed
Pennsylvania Right to Know Hazardous Substance List	Not Listed
Pennsylvania Right to Know Environmental Hazard List	Not Listed
Pennsylvania Right to Know Special Hazardous Substances	Not Listed
Rhode Island Right to Know Hazardous Substance List	Not Listed

CANADIAN 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 by the Controlled Products Regulations.

WHMIS - Classifications of Substances:

- D2B - Poisonous and Infectious Material; Materials causing other toxic effects - Toxic material

16. OTHER INFORMATION

Prepared by: Deicing Depot

Disclaimer: A Sodium chloride product - Snow and ice melting. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use in Section 1 of this SDS, please contact your sales or technical service representative.
This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health: 2 **Flammability:** 0 **Reactivity:** 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health: 1 **Flammability:** 0 **Reactivity:** 0

Reason for Revision:
- Three year review
- Updated the (M)SDS header
- Updated 24 Hour Emergency Telephone Number: SEE SECTION 1
- Format change to sections: .?
- Modified Exposure Limit Information: SEE SECTION 8
- Revised Canadian Domestic Substance List language: SEE SECTION 15
- Revised California Proposition 65 Statement: SEE SECTION 15
- Revised Preparer Information: SEE SECTION 16
- Added "End of Safety Data Sheet" phrase

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees