

MATERIAL SAFETY DATA SHEET

Product Name: Nature's Ice Melt

Product No. 003.00



677 Coldbrook Road, Hermon, ME 04401
(207) 848-3796 fax (207) 848-2496

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nature's Ice Melt

Product Information and Emergency phone: 207-848-3796

Company: MAINE SALT COMPANY
677 COLDBROOK ROAD
HERMON, ME 04401

Date Prepared: 12-20-05

Supersedes: New

Prepared by: JAS

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS. No.	Exposure Limits	Typical % by Weight
1. Calcium Magnesium Carbonate	12001-27-3	N/A	50 - 70
2. Potassium Chloride	7447-40-7	N/A	20 - 40
3. Urea	57-13-6	N/A	5 - 15

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: May cause eye irritation. Prolonged skin contact may cause irritation. Airborne dust is irritating to nose and throat.
Harmful if swallowed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not take internally.

EFFECTS of OVEREXPOSURE:

CARCINOGENICITY:

NTP: No

IARC: No

OSHA: No

EYES: May cause eye irritation.

SKIN: Repeated or prolonged contact may cause skin irritation.

INHALATION: Airborne dust causes choking & irritation of the mucous membranes.

INGESTION: Can result in gastric irritation, nausea, vomiting, dizziness and pain.

CHRONIC EFFECTS and MEDICAL CONDITIONS: The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

SKIN: Immediately flush with water. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Get medical attention.

INGESTION: If swallowed, give several glasses of water. DO NOT INDUCE VOMITTING. If vomiting does occur, give fluids again and keep head below hips to help prevent aspiration. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: N/A Test: N/A

Explosive Limits: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: OSHA/NFPA Fire Class – None. Use procedure which is appropriate to surrounding fire.

SPECIAL PROCEDURES & UNUSUAL HAZARDS: In case of fire, the following can be released: Carbon monoxide, carbon dioxide, metal oxide fume, hydrogen chloride and nitrogen oxides.

FIREFIGHTING INSTRUCTIONS: Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Pick up mechanically.

LARGE SPILLS: Limit access to area. Wear NIOSH/MSHA approved respirator, safety glasses and protective gloves. Shovel into appropriate disposal container. Keep spill out of sewers and open bodies of water.

7. HANDLING AND STORAGE

Handle according to good manufacturing and warehousing practices. Keep containers tightly closed when not in use. Use good personal hygiene practices. Wash hand before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Store only in tightly closed containers away from ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Avoid conditions that generate airborne dust. Wear chemical-resistant safety goggles if necessary. Contact lenses must not be worn.

PROTECTIVE GLOVES: Depending on conditions of use, protective gloves and face protection should be worn.

RESPIRATORY PROTECTION: No occupational exposure standards have been developed for this material. Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.

VENTILATION: Either local exhaust or general room ventilation is usually recommended during normal use.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Granular Powder

BOILING POINT: N/A

FREEZE/MELT POINT: N/A

VAPOR PRESSURE (mm): N/A

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: ca 30% WT/WT

SPECIFIC GRAVITY: N/A

DENSITY: N/A

pH(1% Solution): Neutral

ODOR: Slightly ammoniacal

ODOR THRESHOLD (ppm): Not determined.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): Stable.

INCOMPATIBILITY: Strong acids, strong oxidizers and excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: If burned, carbon dioxide, carbon monoxide and smoke may be formed.

HAZARDOUS POLYMERIZATION: None

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11. TOXICOLOGICAL INFORMATION

No LD50 or LC50 found for oral, dermal or inhalation routes of administration.

12. ECOLOGICAL INFORMATION

Toxicity of this product to aquatic life has not been determined. Do not discharge to streams, ponds, or waterways. Organic components are biodegradable.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

SHIPPING NAME: Ice Melt Crystals
HAZARD CLASS: Not Regulated as HAZMAT
ID#: N/A
PACKING GROUP: N/A
LABEL: N/A

15. REGULATORY INFORMATION

This material does not contain nor was it manufactured using ozone-depleting chemicals.

U.S. FEDERAL REGULATIONS:

TSCA STATUS: All ingredients on Toxic Substance Control Act Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III:

Section 302 Extremely Hazardous Substances:	None.
Section 311/312 Hazardous Categories:	Immediate (Acute)
Section 313 Toxic Chemicals:	None.

16. OTHER INFORMATION

All label precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

REFERENCES:

- U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Editions.
- Sax, N. Irving and Lewis, R.J.: Dangerous Properties of Industrial Materials, 7th Edition, Van Nostrand Reinhold Co., 1989.
- Lewis, R.J.: Hawley's Condensed Chemical Dictionary, 12th Edition, Van Nostrand Reinhold Co., 1993.
- U.S. Dept. of Transportation, U.S. Coast Guard: CHRIS Hazardous Chemical Data, 1982.
- U.S. Dept. of Labor, OSHA: Air Contaminants - Permissible Exposure Limits, 1989.
- National Fire Protection Association (NFPA): Fire Protection Guide on Hazardous Materials (NFPA 325M/49/491M/704), 9th Edition, 1986.
- National Fire Protection Association (NFPA): Hazardous Materials Response Handbook, Henry, M.F., Editor, 1989.
- Merck & Co., Inc.: The Merck Index, 11th Edition, 1989.

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