

Material Safety Data Sheet

Product: Sierra Melt Deicer

MSDS Date: 6/22/09
Product Name: Sierra Melt Deicer
Manufacturer: Huck Salt & Sons

1. Product and Company Description

Huck Salt & Sons
2900 Phritzie Lane
Fallon, NV 89406

Emergency Phone Number:
775-427-6161

For Product Information:
775-423-2055

Chemical Synonym/Formula:
N/A

2. Hazards Identification

Emergency Overview

Appearance/Odor: White granules with no odor

Potential Health Effects:

Acute Eye:
Dusts may cause eye irritation.

Acute Skin:
Skin exposure to dusts may cause inflammation characterized by itching, scaling, reddening, or blistering.

Acute Inhalation:
Inhaled dusts may cause irritation to the respiratory tract.

Acute Ingestion:
Not considered a route of exposure under anticipated use conditions.

Chronic Exposure:
Not determined

Aggravation of Pre-existing Conditions:
None

3. Chemical Composition

Component	CAS#
Sodium Chloride	7647-14-5

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Magnesium Chloride, Hexahydrate 7791-18-6

4. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:
Immediately flush eyes with copious amounts of water. If irritation develops, SEEK MEDICAL ATTENTION.

Skin Exposure:
If irritation develops, seek medical attention.

Inhalation:
Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion:
Give large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.

5. Fire Fighting Measures

Fire Hazard Data:

Autoignition: N/A

Flash Point: N/A

Flammability Limits (vol/vol%): **Lower:** N/A **Upper:** N/A

Extinguishing Media:
Use extinguishing media suitable for surrounding fire

Special Fire Fighting Procedures:
Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Fire and Explosion Hazards:
None

6. Accidental Release Measures

Cleanup and Disposal of Spill:
Pick up and place in a suitable container for reclamation or disposal. Do not discharge into drains or sewers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

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7. Handling and Storage

Handling/Storage:

Store in a cool, dry, ventilated area. Keep container tightly closed. Do not get in eyes, on skin or clothing. Keep away from incompatible materials. Do not contaminate water, food or feed. Keep away from the reach of children and pets.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Component	ACGIH	NIOSH	OSHA-PELs
Sodium Chloride	N/A	N/A	N/A
Magnesium Chloride, Hexahydrate	N/A	N/A	N/A

Engineering Controls:

General mechanical ventilation is adequate for normal use. Local exhaust is recommended for confined areas.

Respiratory Protection:

None required under anticipated product use conditions.

Eye / Face Protection:

None required under anticipated product use conditions.

Skin Protection:

None required under anticipated product use conditions.

9. Physical and Chemical Properties

Physical Appearance: White granules
Odor: None
pH: 8.8
Specific Gravity: ND
Water Solubility: Insoluble
Melting Point: N/A
Freezing Point: -22.5°C
Boiling Point: N/A
Vapor Pressure: N/A
Density: N/A
Percent Volatiles by Volume: N/A
Evaporation Rate: ND
Viscosity: ND
Density: ND

10. Stability and Reactivity

Chemical Stability:

Stable

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Conditions to Avoid:

Extreme heat and flame.

Materials / Chemicals to Be Avoided:

Oxidizing agents, acids, lithium, and bromine trifluoride,

Hazardous Decomposition Products:

Hydrogen chloride, chlorine, and sodium oxides.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

Acute Effects

For Sodium Chloride:

Inhalation LC50 Rat: >42 g/m³/1H; Oral LD50 Rat: 3 g/kg; Dermal LD50 Rabbit: >10 g/kg

For Magnesium Chloride:

Oral LD50 Rat: 8100 mg/kg

Chronic Effects

Carcinogenicity: No data

Mutagenicity: No data

Reproductive Effects: No Data

Developmental Effects: No Data

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

Sodium chloride (7647-14-5)

Test & Species

		Conditions
96 Hr LC50 Lepomis macrochirus	5560-6080 mg/L [flow-through]	
96 Hr LC50 Lepomis macrochirus	12946 mg/L [static]	
96 Hr LC50 Pimephales promelas	6020-7070 mg/L [static]	
96 Hr LC50 Pimephales promelas	7050 mg/L [semi- static]	
96 Hr LC50 Pimephales promelas	6420-6700 mg/L [static]	
96 Hr LC50 Oncorhynchus mykiss	4747-7824 mg/L [flow-through]	
48 Hr EC50 Daphnia magna	1000 mg/L	

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13. Disposal Considerations

Waste Disposal Method:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not Regulated
	Hazard Class	Not Regulated
	ID Number	Not Regulated
	Packaging Group	Not Regulated

15. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard: No
Reactive Hazard: No
Release of Pressure: No
Acute Health Hazard: No
Chronic Health Hazard: No

TSCA

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

Other Regulations:

None

16. Other Information

National Paint & Coating Hazardous Materials Identification System – HMIS(R):

Health Hazard: 0
Flammability: 0
Reactivity: 0

Key Legend Information:

N/A – Not Applicable
ND – Not Determined
ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration
TLV – Threshold Limit Value
PEL – Permissible Exposure Limit
TWA – Time Weighted Average

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STEL – Short Term Exposure Limit
NTP – National Toxicology Program

IARC – International Agency for Research on
Cancer

The information contained herein is based on the data available to us and is believed to be correct. However Huck Salt & Sons makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.