

Safety Data Sheet



Trade name: Hot Rock

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: Hot Rock

Product form: Mixture

Substance name: Salt

1.2 Relevant identified uses of the substance or mixture: Melt Ice and snow

Uses advised against: Human consumption

1.3 Details of the supplier of the safety data sheet:

Stangel, Inc.
d/b/a Stangel Salt Supply
N2679 Town Hall Road
Kewaunee, WI 54216

Jeff Stangel
920-388-2451
salt@tm.net

1.4 EMERGENCY TELEPHONE NUMBER:

Poison Control: 1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

GHS-US Classification

Skin Irritation: 2 H315

Eye Irritation: 2A H319

STOT SE: 3 H335

Full text of H-phrases: See section 16

2.2 GHS Label elements:

Hazard pictograms

Signal word:

Warning



Hazard statements:

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H335 – May cause respiratory irritation

Precautionary statements:

P261 – Avoid breathing dust

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- P271 – Use only outdoors or in a well-ventilated area
- P280 – Wear eye protection, protective gloves, protective clothing
- P264 – Wash hands thoroughly after handling
- P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 – Call a POISON Center or doctor/physician if you feel unwell
- P332+P313 – If skin irritation occurs: Get medical advice/attention
- P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 – If eye irritation persists: Get medical advice/attention
- P362 – Take off contaminated clothing
- P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

2.3 Hazards not Otherwise Classified (HNOC) or not covered by GHS: None

SECTION 3. Composition/information on ingredients

3.1 Substances

Name	Product Identifier (CAS No.)	%	GHS-US Classification
Sodium Chloride	007647-14-5		Skin Irrit.2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Calcium Chloride	010043-85-4		
Magnesium Chloride	007786-30-3		
Potassium Chloride	007447-40-7		Not Classified
Calcium Magnesium Acetate	076123-46-1		
Sodium Ferrocyanide Decahydrate			
Proprietary Anti-Corrosion Agents			

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures-general: If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.
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	Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact:	Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.
First-aid measures after eye contact:	Immediately rinse with water for a prolonged period (15 minutes) while holding the eyelids wide open including upper and lower lids. Obtain medical attention if pain and irritation develops or persists.
First-aid measures after ingestion:	Do not induce vomiting. Administer water if patient is conscious. Ingesting potash will usually cause purging of the stomach by vomiting. Seek medical attention if a large amount is swallowed. Get medical advice and attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Irritation to eyes, skin and respiratory tract.

After inhalation: Overexposure may be irritating to the respiratory system.

After Skin contact: May cause skin irritation.

After Eye Contact: May cause eye irritation.

After Ingestion: If a large quantity has been ingested: Abdominal pain, diarrhea, nausea, vomiting, tingling in hands and feet, weak pulse, circulatory disturbances

Chronic Symptoms: Prolonged inhalation of dust may cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Not flammable. Use extinguishing media appropriate for surrounding fire.

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Unsuitable extinguishing media: None known

5.2 Special hazards arising from the substance or mixture

Fire hazard: Under conditions of fire this material may produce: toxic fumes

Explosion hazard: Product is not explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3 Advice for fire-fighters

Firefighting instructions: Keep upwind. Under conditions of fire, this material may produce: Potassium oxides, Hydrogen chloride, and Chloride gas

Protection during firefighting: Wear full fire-fighting turn-out gear (full Bunker gear and respiratory protection (SCBA)).

Other information: Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures: Do not breathe fumes from fires or vapors from decomposition.

For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye/face protection, including tight fitting goggles in areas of high dust concentration. Wear NIOSH approved respiratory protective equipment when workplace conditions warrant use of respirator.

Emergency procedures: Collect any solid. Ventilate area.

For emergency responders

Personal protective equipment: Wear suitable protective clothing, gloves and eye/face protection, including tight fitting goggles in areas of high dust concentration. Wear NIOSH approved respiratory protective equipment when workplace conditions warrant use of respirator.

Emergency procedures: If possible, stop flow of product. Contain and collect any solid. Ventilate area.

6.2 Environmental precautions:

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If spill could potentially enter any waterway, including intermittent dry creeks, contact the local agency in charge of area natural resources or the US Coast Guard National Response Center at 800-424-8802. IN case of accident or road spill, notify the local authorities immediately.

6.3 Methods and material for containment and cleaning up

For containment: Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

For cleaning up: Recover the product by vacuuming, shovelling or sweeping. Avoid generation of dust during clean-up of spills. If uncontaminated, recover and reuse as product. If on soil, remove and collect top one inch of soil.

6.4 Reference to other sections

No additional information available.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Additional Hazards when processed: When heated, material emits irritating fumes.

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

Hygiene measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Store tightly closed in a dry, cool, and well-ventilated place. Protect from moisture.

Special rules on packaging: Avoid contact with aluminium or carbon steel to minimize corrosion.

7.3 Specific end uses

Road Salt, parking lot salt, sidewalk salt

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Highly soluble – No ACGIH TWA, Particulate Not Otherwise Specified (PNOS) not appropriate for highly soluble material.

8.2 Exposure controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Gloves, Safety glasses, Protective clothing.

- **Hand Protection:** Impermeable protective gloves.
- **Eye Protection:** Protective goggles and safety glasses.
- **Skin & Body Protection:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wear suitable protective clothing. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practices. Wash clothing frequently.
- **Respiratory Protection:** Use NIOSH-approved air-purifying or supplied air respirator where airborne concentrations of dust are expected to exceed exposure limits.

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- **Environmental Exposure Controls:** Ensure adequate ventilation, especially in confined areas.
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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	Crystal like solid
Color	Pink, red, or green
Odor	None
Odor Threshold	No data available
pH	6 – 8
Relative Evaporation Rate	No data available
Melting Point	801° C
Freezing Point	No data available
Boiling Point	1413° C
Flash Point	No data available
Self-Ignition Temperature	Not flammable
Decomposition Temperature	No data available
Flammability (solid, gas)	Not flammable
Vapor pressure	No data available
Relative vapor density at 20° C	No data available
Relative Density	2.14
Density	No data available
Solubility	26%
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	None known
Oxidising properties	None known
Explosive limits	Not explosive

9.2 Other information:

VOC content: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2 Chemical stability

Stable at standard temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

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10.4 Conditions to avoid:

Protect from moisture.

10.5 Incompatible materials:

Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, trifluoride, etc.), acids, oxidizing agents, iron and cement.

10.6 Hazardous decomposition products:

Contact with strong acids may produce hydrogen chloride gas.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not classified

Sodium Chloride (007647-14-5)	
LD50 oral rat	3g/kg
LD50 dermal rabbit	>10 g/kg
LC50 inhalation rate (mg/l)	>42 g/m ³ (exposure time: 1 hour)

Serious eye damage/irritation	Causes eye irritation
pH	6 – 8
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

SECTION 12: Ecological information

12.1 Toxicity:

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental Fate: No data available

Toxicity: No data available

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Degradation Products: No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- **Sewage disposal recommendations:** This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.
 - **Waste disposal recommendations:** Place in an appropriate container and dispose of the contaminated material at a licensed site.
 - **Additional Information:** Dispose of waste material in accordance with all local, regional, national, and international regulations.
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SECTION 14: Transport information

In accordance with DOT.

14.1 UN Number

No dangerous good in sense of transport regulations.

14.2 UN proper shipping name

Not applicable.

14.3 Additional Information

No supplementary information available.

Overland Transport

No additional information available.

Transport by Sea

No additional information available.

Air Transport

No additional information available

SECTION 15: Regulatory information

15.1 US Federal Regulations

Sodium Chloride (007647-14-5) Listed on the United States TSCA (Toxic Substances Control Act) inventory.

15.2 US State Regulations

The following states have an OSH program approved by OSHA. If you are located in any of these states you may be under state jurisdiction rather than federal jurisdiction and your state may have more stringent requirements than OSHA. You should consult your state regulations to ensure compliance.

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Alaska	Indiana	Minnesota	North Carolina	Utah
Arizona	Iowa	Nevada	Oregon	Vermont
California	Kentucky	New Mexico	Puerto Rico	Virgin
Islands*				
Connecticut*	Maryland	New Jersey*	South Carolina	Virginia
Hawaii	Michigan	New York*	Tennessee	Washington
Illinois*				Wyoming

*The state plans in these states apply only to public sector employers. In these states private sector employers are subject to USOL – OSHA jurisdiction. All other state plans apply to both public and private sector employers.

SECTION 16: Other information

16.1 National Fire Protection Association

NFPA Health Hazard: Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA Fire Hazard: Material will not burn.

NFPA Reactivity: Normally stable, even under fire exposure conditions, and are not reactive with water.

16.2 Full Text of H- phrases:

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	H335-May cause respiratory irritation
H315	Causes skin irritation
H319	Causes serious eye irritation

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