

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Form: Granular

Substance Name: Salt (Sodium Chloride)

Product Code: Salt

Other Means of Identification: Sodium Chloride, Raw Salt, Road Salt, Deicing Salt, Water Softening Salt, Feed Salt, Industrial Salt, Hide Salt, Rocanville Coarse, Rocanville Standard, Rocanville Fine, Vanscoy Coarse, Vanscoy Standard, Bath Salt, Exfoliant, Ice Biter, SALTZ ALL.

Main Use: Drilling Fluid Additive

Supplier: Bri-Chem Supply Ltd.
27075 Acheson Road
Acheson, AB T7X 6B1

Phone Number: 780-962-9490

Emergency Phone: CHEMTREC 1-800-424-9300, 24/7

Section 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture: Not classified

Label Elements: None

Signal Word (GHS-US): None

Hazard Statements (GHS-US): Product does not meet criteria for classification.

Precautionary Statements (GHS-US)

Prevention: Implement acceptable industrial hygiene practices.

Response: Wash hands thoroughly after handling.

Storage: Store in well ventilated space a safe distance from incompatible materials.

Disposal: Dispose of waste/residues in accordance with local authority requirements.

Other Hazards: No additional information available.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances: Not applicable

Mixtures

Name	Product Identifier	%	GHS-US Classification
Sodium Chloride	(CAS-No.) 7647-14-5	60-100	Generally recognized as safe

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Section 4: FIRST-AID MEASURES

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. 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 salt 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.

Most Important Symptoms and Effects both Acute and Delayed

Symptoms/Injuries:	Irritation to eyes, skin and respiratory tract.
Symptoms/Injuries after Inhalation:	Overexposure may be irritating to the respiratory system.
Symptoms/Injuries after Skin Contact:	May cause skin irritation.
Symptoms/Injuries Eye Contact:	May cause eye irritation.
Symptoms/Injuries after Ingestion:	If a large quantity has been ingested: Abdominal pain; diarrhea, nausea, vomiting, tingling in the hands and feet, weak pulse, circulatory disturbances.
Chronic Symptoms:	Prolonged inhalation of dust may cause respiratory irritation.
Indication of Any Immediate Medical Attention and Special Treatment Needed:	No additional information available.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:	Not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media:	None known

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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.

Advice for Fire-Fighters

Firefighting Instructions: Keep upwind. Under conditions of fire this material may produce: Potassium oxides; Hydrogen chloride; Chlorine 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 fire fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

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 conditions warrant use of respirator.

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

Environmental Precautions: If spill could potentially enter any waterway, including intermittent dry creeks, contact the U.S. COAST GUARD NATIONAL RESPONSE CENTER at 800-424-8802. In case of accident or road spill notify CHEMTREC at 800-424-9300 (in USA) or CANUTEC at 613-996-6666 (in Canada). In other countries call CHEMTREC at (International code) +1-703-527-3887.

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.

Methods for Cleaning Up: Recover the product by vacuuming, shoveling or sweeping. Avoid generation of dust during clean-up of spills. If uncontaminated, recover and reuse as product.

Reference to Other Sections: No additional information available.


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Section 7: HANDLING AND STORAGE

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.
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 aluminum or carbon steel to minimize corrosion.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:	Highly soluble – No ACGIH TWA, Particulate Not Otherwise Specified (PNOS) not appropriate for highly soluble material.
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 and 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 practice. 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.
Environmental Exposure Controls:	Ensure adequate ventilation, especially in confined areas.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State:	Solid
Appearance:	Crystalline solid
Colour:	White to red
Odour:	None
Odour Threshold:	No data available
pH:	6-8
Relative Evaporation Rate (Butylacetate=1):	No data available
Melting Point:	1473.8°F (801°C)
Freezing Point:	No data available
Boiling Point:	2669°F (1465°C)
Flash Point:	No data available
Self-Ignition Temperature:	Not flammable
Decomposition Temperature	No data available
Flammability (Solid, Gas):	Non flammable
Vapour 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
Oxidizing Properties:	None known
Explosive Limits:	Not explosive

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Other Information

VOC Content: No data available
Bulk Density: 71-77lbs/ft³ (1137-1234kg/m³)
Molecular Formula: NaCl

Section 10: STABILITY AND REACTIVITY

Reactivity: Stable at ambient temperature and under normal conditions of use.
Chemical Stability: Stable at standard temperature and pressure.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Protect from moisture.
Incompatible Materials: Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, trifluoride, etc), acids, oxidizing agents, iron and cement.
Hazardous Decomposition Products: Contact with strong acids may produce hydrogen chloride gas.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified
Sodium Chloride (7647-14-5)
LD50 Oral Rat 3 g/kg
LD50 Dermal Rabbit > 10 g/kg
LC50 Inhalation Rat (mg/l) > 42 g/m³ (Exposure time: 1 h)
Serious Eye Damage/Irritation: Salt dust can cause eye irritation.
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

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Section 12: ECOLOGICAL INFORMATION

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
Degradation Products:	No data available

Section 13: DISPOSAL CONSIDERATIONS

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.

Section 14: TRANSPORT INFORMATION

In accordance with DOT / TDG / ADR / RID / ADNR / IMDG / ICAO / IATA

UN Number: No dangerous good in terms of transport regulations.

UN Proper Shipping Name: Not applicable

Additional Information

Other 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

US Federal Regulations

Sodium (Chloride 7647-14-5) Listed on the United States TSCA (Toxic Substances Control Act) inventory

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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.

Alaska	Indiana	Minnesota	North Carolina	Utah
Arizona	Iowa	Nevada	Oregon Puerto Rico	Vermont
California	Kentucky	New Mexico	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.

Sodium Chloride (7647-14-5) U.S – Texas – Effects Screening Levels – Long Term
U.S – Texas – Effects Screening Levels – Short Term

Canadian Regulations

Sodium Chloride (7647-14-5) Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification: Uncontrolled product according to WHMIS classification criteria.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

Prepared by: Bri-Chem Supply Ltd.

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