Safety Data Sheet

SALT (Sodium Chloride)

SECTION 1. IDENTIFICATION

Product Identifier	Salt
Other Means Of Identification	Sodium Chloride, Raw Salt, Road Salt, De-icing Salt, Water Softening Salt, Feed Salt, Industrial Salt, Hide Salt, Rocanville Coarse, Rocanville Standard, Rocanville Fine, Vanscoy Coarse, Vanscoy Standard, Vanscoy Mixed, Brooks Fine, Bath Salt, Exfoliant, Ice Biter, Coarse Salt, Fine Salt
Recommended Use	Industrial, De-Icer, Feed, Hide, Water softening, Bath Salt, Animal Nutrition
Restrictions on Use	Not for Human Ingestion
Initial Supplier Identifier	NSC Minerals Ltd. 366 3rd Ave S Saskatoon, SK Canada S7K 1M5 www.nscminerals.ca Email: nsc@nscminerals.com
Emergency Telephone Number	1-306-934-6477 / 1-888-668-7258

SECTION 2. HAZARD IDENTIFICATION

Classification	Not classified as a dangerous substance or mixture according to the Globally Harmonized System (GHS)
Label Elements	Keep out of reach of children. Harmful if swallowed. Avoid skin and eye contract.
Label Other	Pictograms & Signal Words Not Applicable.
Other Hazards	

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name / Synonyms	Salt, Sodium Chloride, NaCl, Raw Salt, De-Icing Salt, Rocanville Coarse

INGREDIENT NAME	% (W/W)	CAS NO.
Sodium Chloride	Not available	7647-14-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, which the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

Other Identifiers	Eco-Friendly

SECTION 4. FIRST AID MEASURES

4.1 FIRST AID BY ROUTE OF EXPOSURE

General	If medical advice is needed, have product container or label at hand.
Inhalation	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed. Obtain medical attention if breathing difficulty persists.
Skin Contact	Wash Skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.

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.
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.

4.2 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 after eye contact	May cause eye irritation.
Symptoms/injuries 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.

SECTION 5. FIRE-FIGHTING MEASURE

5.1 EXTINGUISHING MEDIA

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

5.2 SPECIFIC HAZARDS ARISING FROM PRODUCT

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 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Fire-fighting Instructions	Keep Upwind. Under conditions of fire this material may produce: Potassium oxides; Hydrogen chloride; Chlorine gas
Protection during fire-fighting	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 MEASURE

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General Measures	Do not breathe fumes from fires or vapors from decomposition
Protective Equipment for Emergency & Non-Emergency Personnel	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 as any solid. Ventilate area.

6.2 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.

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.
Methods 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.

6.4 REFERENCE TO OTHER SECTIONS

No additional information available.

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 no 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

Storage Conditions:	Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture and preferably below 70% relative humidity.
Special Rules on Packaging:	Avoid contact with aluminum or carbon steel to minimize corrosion.

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), eye wash stations.
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.
Footwear:	Normal

Respiratory Protection:	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (Crystalline)
Color	White to Red
Odour	None
Odour Threshold	No Data Available
pH	6-8
Relative Evaporation Rate (Butylacetate=1)	No Data Available
Melting Point	1473.8ºF (801°C)
Freezing Point	No Data Available
Boiling Point	2669ºF (1465°C)
Flash Point	No Data Available
Self-Ignition temperature:	Not Flammable
Decomposition Temperature:	No Data Available
Flammability (solid/gas):	Not Flammable
Vapour Pressure:	No Data Available
Relative Vapor Density at 20ºC:	No Data Available
Relative Density:	2.14
Density:	No Data Available
Solubility:	26%
Log Pow or Log Kow	No Data Available
Viscosity	No Data Available
Explosive Properties	None Known
Oxidizing Properties	None Known
Explosive Limits	Not Explosive

9.2 OTHER INFORMATION

VOC Content	No Data Available
Bulk Density	71-77lbs/ft^3 (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, triflourite, etc.), acids, oxidizing agents.
Hazardous Decomposition Products	Contact with strong acids may produce hydrogen chlorine gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Not Classified

SODIUM CHLORIDE (7647-14-5)

LC50 3g/kg LD50 (oral) >10g/kg LD50 (dermal) >42g/m3 (Exposure time: 1h)

Skin Corrosion / Irritation	Mild
Serious Eye Damage / Irritation	Mild - Salt dust can cause eye irritation.
STOT (Specific Target Organ Toxicity) - Single Exposure	Not Classified
STOT (Specific Target Organ Toxicity) - Repeated Exposure	Not Classified
Aspiration Hazard	Not Classified
Respiratory and/or Skin Sensitization	Not Classified
Reproductive Toxicity	Not Classified
Germ Cell Mutagenicity	Not Classified
Carcinogenicity	Not Classified
Target Organ Effects	Kidneys, Eyes, Skin, Respiratory system.

SECTION 12. ECOLOGICAL INFORMATION

Eco toxicity	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

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

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 (7647-14-5) – 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.

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

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

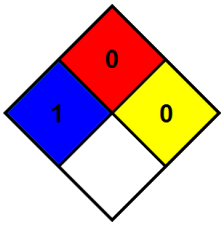
Sodium Chloride (7647-14-5) – U.S. Texas – Effects Screening Levels – Short Term & Long Term

SECTION 16. OTHER INFORMATION

NFPA Health Hazard 1 – Exposure could cause irritation but only minor residual injury even if not treatment is given.

NFPA Fire Hazard 0 – Materials that will not burn.

NFPA Reactivity 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.



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Prepared by NSC Minerals Ltd.

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