



# 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, 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.<br>366 3 <sup>rd</sup> Ave S<br>Saskatoon, SK<br>Canada<br>S7K 1M5<br><a href="http://www.nscminerals.ca">www.nscminerals.ca</a><br>Email: <a href="mailto:nsc@nscminerals.com">nsc@nscminerals.com</a>   |
| 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 contact.                     |
| 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, to 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.   |

|                    |   |
|--------------------|---|
| <b>Eye Contact</b> | 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.  |
| <b>Ingestion</b>   | 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

|   |  |
|---|--|
| <b>Symptoms/injuries</b>                    | Irritation to eyes, skin and respiratory tract.  |
| <b>Symptoms/injuries after inhalation</b>   | Overexposure may be irritating to the respiratory system.  |
| <b>Symptoms/injuries after skin contact</b> | May cause skin irritation.   |
| <b>Symptoms/injuries after eye contact</b>  | May cause eye irritation.  |
| <b>Symptoms/injuries after ingestion</b>    | If a large quantity has been ingested : Abdominal pain; Diarrhea; Nausea; Vomiting; Tingling in hands and feet; Weak pulse; Circulatory disturbances |
| <b>Chronic symptoms</b>                     | 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

|                                       |  |
|---------------------------------------|--|
| <b>Suitable Extinguishing Media</b>   | Not Flammable. Use extinguishing media appropriate for surrounding fire. |
| <b>Unsuitable Extinguishing Media</b> | None known.  |

#### 5.2 SPECIFIC HAZARDS ARISING FROM PRODUCT

|                         |   |
|-------------------------|---|
| <b>Fire Hazard</b>      | Under conditions of fire this material may produce toxic fumes.   |
| <b>Explosion Hazard</b> | Product is not explosive  |
| <b>Reactivity</b>       | Stable at ambient temperature and under normal conditions of use. |

#### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

|  |  |
|--|--|
| <b>Fire-fighting Instructions</b>      | Keep Upwind. Under conditions of fire this material may produce: Potassium oxides; Hydrogen chloride; Chlorine gas |
| <b>Protection during fire-fighting</b> | Wear full fire-fighting turn out gear (full Bunker gear) and respiratory protection (SCBA).                        |
| <b>Other Information</b>               | 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

|   |  |
|---|--|
| <b>General Measures</b>   | Do not breathe fumes from fires or vapors from decomposition   |
| <b>Protective Equipment for Emergency &amp; Non-Emergency Personnel</b> | 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. |
| <b>Emergency Procedures</b>   | 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

|                                |  |
|--------------------------------|--|
| <b>For Containment</b>         | 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.                      |
| <b>Methods for Cleaning Up</b> | 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

|   |  |
|---|--|
| <b>Additional Hazards when processed:</b> | When heated, material emits irritating fumes.  |
| <b>Precautions for safe handling:</b>     | 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. |
| <b>Hygiene Measures:</b>                  | Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.  |

### 7.2 CONDITIONS FOR SAFE STORAGE

|                                    |  |
|------------------------------------|--|
| <b>Storage Conditions:</b>         | Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture and preferably below 70% relative humidity. |
| <b>Special Rules on Packaging:</b> | 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

|  |   |
|--|---|
| <b>Appropriate engineering controls:</b> | Ensure adequate ventilation (especially in confined areas), eye wash stations.  |
| <b>Personal protective equipment:</b>    | Gloves. Safety glasses. Protective clothing.  |
| <b>Hand Protection:</b>                  | Impermeable protective gloves.  |
| <b>Eye Protection:</b>                   | Protective goggles and safety glasses   |
| <b>Skin and Body Protection:</b>         | 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. |
| <b>Footwear:</b>                         | 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

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

### 9.2 OTHER INFORMATION

|                          |  |
|--------------------------|--|
| <b>VOC Content</b>       | No Data Available                                      |
| <b>Bulk Density</b>      | 71-77lbs/ft <sup>3</sup> (1137-1234kg/m <sup>3</sup> ) |
| <b>Molecular Formula</b> | NaCl   |

## SECTION 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | Stable at ambient temperature and under normal conditions of use. |
| <b>Chemical Stability</b>                 | Stable at standard temperature and pressure.                      |
| <b>Possibility of Hazardous Reactions</b> | Hazardous polymerization will not occur.                          |

|   |  |
|---|--|
| <b>Conditions to Avoid</b>              | Protect from moisture.   |
| <b>Incompatible Materials</b>           | Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, triflourite, etc.), acids, oxidizing agents. |
| <b>Hazardous Decomposition Products</b> | Contact with strong acids may produce hydrogen chlorine gas.   |

## SECTION 11. TOXICOLOGICAL INFORMATION

|  |  |
|--|--|
| <b>Acute Toxicity</b>  | Not Classified                             |
| <u>SODIUM CHLORIDE (7647-14-5)</u>                               |  |
| LC50 3g/kg   | LD50 (oral) >10g/kg                        |
|  | LD50 (dermal) >42g/m3 (Exposure time: 1h)  |
| <b>Skin Corrosion / Irritation</b>                               | Mild                                       |
| <b>Serious Eye Damage / Irritation</b>                           | Mild - Salt dust can cause eye irritation. |
| <b>STOT (Specific Target Organ Toxicity) - Single Exposure</b>   | Not Classified                             |
| <b>STOT (Specific Target Organ Toxicity) - Repeated Exposure</b> | Not Classified                             |
| <b>Aspiration Hazard</b>   | Not Classified                             |
| <b>Respiratory and/or Skin Sensitization</b>                     | Not Classified                             |
| <b>Reproductive Toxicity</b>                                     | Not Classified                             |
| <b>Germ Cell Mutagenicity</b>                                    | Not Classified                             |
| <b>Carcinogenicity</b>   | Not Classified                             |
| <b>Target Organ Effects</b>                                      | Kidneys, Eyes, Skin, Respiratory system.   |

## SECTION 12. ECOLOGICAL INFORMATION

|                             |  |
|-----------------------------|--|
| <b>Eco toxicity</b>         | 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. |
| <b>Environmental Fate</b>   | No Data Available  |
| <b>Toxicity</b>             | No Data Available  |
| <b>Degradation Products</b> | No Data Available  |

## SECTION 13. DISPOSAL CONSIDERATIONS

|  |  |
|--|--|
| <b>Sewage Disposal Recommendations</b> | This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.               |
| <b>Waste Disposal Recommendations</b>  | Place in an appropriate container and dispose of the contaminated material at a licensed site.             |
| <b>Additional Information</b>          | 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.

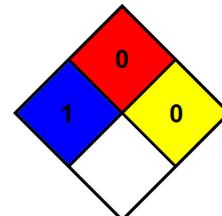
**Sodium Chloride (7647-14-5) – U.S. Texas – Effects Screening Levels – Short Term & Long Term**

## 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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