



# Safety Data Sheet

SnowSlicer®

## SECTION 1. IDENTIFICATION

Product Identifier	SnowSlicer®
Other Means Of Identification	Sodium Chloride with Proprietary Additives
Recommended Use	De-Icing
Restrictions on Use	Not for Ingestion
Initial Supplier Identifier	NSC Minerals Ltd. 366 3 <sup>rd</sup> Ave S Saskatoon, SK Canada S7K 1M5 <a href="http://www.nscminerals.ca">www.nscminerals.ca</a> 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

### EMERGENCY OVERVIEW

CAUTION! CONTACT WITH SKIN AND EYES MAY CAUSE IRRITATION. MAY CAUSE IRRITATION TO GASTROINTESTINAL TRACK IF SWALLOWED.

Potential Health Effects:	This product is an irritant case of skin contact, of eye contact, of ingestion and of inhalation.
Routes of Entry	Skin, Eyes, Inhalation, Ingestion
Target Organs	None Known
Inhalation	Inhalation of dust may cause irritation.
Ingestion	Ingestion of this product may cause irritation of the gastrointestinal tract.
Skin Contact	Prolonged or repeated exposure to this product may cause irritation.
Eye Contact	Contact with eyes will cause irritation with pain, redness and tearing.
Chronic Exposure	None Known
Aggravation of Pre-Existing Conditions	Persons with pre-existing skin disorders may be more susceptible to the effects of the substance.
Other Hazards	

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms Sodium Chloride with Proprietary Additives

INGREDIENT NAME	% (W/W)	CAS NO.
Sodium Chloride	> 97%	7647-14-5

Chloride Solution with Proprietary Additive	< 3%	Proprietary
Colorant (Violet & Red)	< 1%	Proprietary

#### SECTION 4. FIRST AID MEASURES

<b>Inhalation</b>	If breathing is difficult remove victim to fresh air and provide oxygen if necessary. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.
<b>Skin Contact</b>	Wash exposed skin with plenty of soap and water. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
<b>Eye Contact</b>	If contact with eyes, remove contact lenses if worn and immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IF IRRITATION OR BLURRED VISION OCCURS.
<b>Ingestion</b>	Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.

**NOTE TO PHYSICIANS** Treat symptomatically and supportively

#### SECTION 5. FIRE-FIGHTING MEASURE

<b>Flammable Properties</b>	Not Flammable
<b>Auto Ignition Temperature</b>	Not Applicable
<b>Flammable Limits In Air, % by Volume</b>	LEL: NO DATA AVAILABLE %; UEL: NO DATA AVAILABLE %
<b>Extinguishing Media</b>	Water spray, dry chemical, alcohol foam, or carbon dioxide
<b>Fire &amp; Explosion Hazards</b>	None Known
<b>Special Information</b>	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### 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>	Keep away from incompatibles such as oxidizing agents, acids.
<b>Special Rules on Packaging:</b>	Avoid contact with aluminum or carbon steel to minimize corrosion.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<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
<b>Respiratory Protection:</b>	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

<b>Physical State</b>	Solid
<b>Appearance</b>	Slightly Red Crystalline coarse powder
<b>Odour</b>	Slight
<b>Odour Threshold</b>	No Data Available
<b>pH</b>	7 (Neutral)
<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>	2575°F (1413°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>	2.165
<b>Density:</b>	No Data Available
<b>Solubility:</b>	Soluble
<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>Molecular Formula</b>	NaCl

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at standard temperature and pressure.
<b>Conditions to Avoid</b>	Incompatible materials, high temperatures.
<b>Incompatible With Other Materials</b>	Reactive with oxidizing agents, metals, acids.
<b>Hazardous Decomposition Products</b>	When heated to decomposition it emits toxic fumes.
<b>Hazardous Polymerization</b>	Will not occur

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity** Not Classified

Sodium Chloride:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 3000 mg/kg [Rat.]. Acute dermal toxicity (LD50): >10000 mg/kg [Rabbit]. Acute toxicity of the dust (LC50): >42000 mg/m<sup>3</sup> 1 hours [Rat].

Other Ingredients:

No LD50 Data Available

**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**

**Environmental 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** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**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 & STATE So 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	

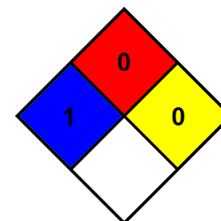
\*The state plans in these states apply only to public sector employees. In these states private sector employers are subject to USOL – OSHA jurisdiction. All other state plans apply to both public and private sector employers.

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

**SECTION 16. OTHER INFORMATION****Label Requirements:**

**CAUTION! CONTACT WITH SKIN AND EYES MAY CAUSE IRRITATION. MAY CAUSE IRRITATION TO GASTROINTESTINAL TRACT IF SWALLOWED.**

<b>NFPA Health Hazard</b>	<b>1 – Exposure could cause irritation but only minor residual injury even if not treatment is given.</b>
<b>NFPA Fire Hazard</b>	<b>0</b>
<b>NFPA Reactivity</b>	<b>0</b>



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<b>Prepared by</b>	NSC Minerals Ltd.

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