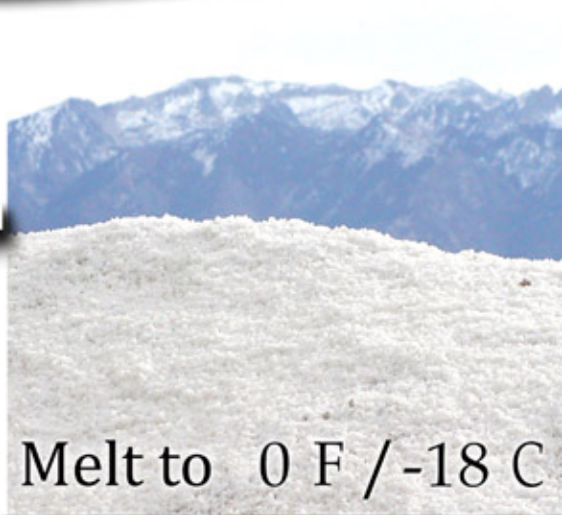


Bulk Road Salt

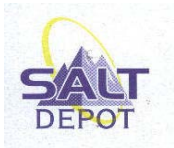


Melt to 0 F / -18 C

- Safe for Concrete and Asphalt
- Ideal for Residential and commercial properties
- Available for Delivery and Stock Pile
 - Sold Per Ton
 - Will Call Available
 - Load Pick-Up Trucks

A Green
Company





MATERIAL SAFETY DATA SHEET

SODIUM CHLORIDE

1 PRODUCT & COMPANY IDENTIFICATION

PRODUCT
Product Name: **Sodium Chloride**
Item Code: **BULK ROAD SALT**
Cas #: **SDSRS**
Product Use: **7647-14-5,**
De-icer,
Manufacturer(s): **Sodium Chloride: Broken Arrow**
8916 Hwy 40
Lake Point , Ut. 84074
801-355-0527

Supplier
Salt Depot
5442 Wells Park Road
West Jordan, Utah 84084
801-282-1250

2 HAZARDS IDENTIFICATION

Emergency Overview CAUTION
EYE & SKIN IRRITANT

Potential Short Term health effects

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	May cause irritation.
Skin	May cause irritation.
Inhalation	Dusts of this product may cause irritation of the nose throat, and respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.

Target Organs Eyes. Skin. Respiratory system.

Chronic Effects Prolonged or repeated exposure can cause drying, defatting and dermatitis

Signs and Symptoms Symptoms may include redness, edema, drying, defatting and cracking of Skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3 COMPOSITION/INFORMATION on INGREDIENTS

Ingredient(s)	CAS#	Percent
Sodium Chloride	7647-14-5	100%

4 FIRST AID MEASURES

First Aid Procedures

Eye Contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists
Skin Contact	Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestions	Do not induce vomiting. Rinse mouth with water, then drink 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to Physician Symptoms may be delayed

General advice None Available

5 FIRE FIGHTING MEASURES

Flamable properties	Not flammable by WHMIS/OSHA criteria
Flash point & method	N.A
Flamable limits	N.A
Extinguishing Media	
Suitable extinguishing media	Treat for surround material, water spray, dry chemicals, foam or carbon dioxide.
Unsuitable extinguishing media	Not Available
Protection of Firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Unusual Fire & Explosion Hazards	None expected, but avoid the build up of dye dust clouds which could be explosive.

NFPA FIRE HAZARDS		Minimal	0
Health:	1	Slight	1
Fire:	1	Moderate	2
Reactivity:	0	Serious	3
Specific:	N.A.	Severe	4

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Methods of containment	None Necessary
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Discard containers except for storage and shipment of original product.

7 HANDLING & STORAGE

Handling	Avoid breathing dusts from this material
Storage	Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	
Ingredient(s)	Exposure Limits
Sodium Chloride	ACGIH-TLV not established OSAH-PEL Not Established
Engineering Controls	TWA PEL: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise regulated (PNOR): 5mg/cu.m. Respirable dust 8-hour TWA PEL, 15mg/cu.m. Total dust 8-hour TWA PEL. TWA TLV: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise classified (PNOC): 10mg/cu.m. Respirable dust 8-hour TWA TLV, 15mg/cu.m. Total dust 8-hour TWA TLV. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.
Personal Protective equipment	
Eye/Face protection	Safety glasses
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin & Body protection	As required by employer code
Respiratory protection	Where exposure guideline may be exceeded, use an approved NIOSH respirator or NIOSH approved filtering facepiece
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks & immediately after handling product.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance	Crystalline
color	Clear/White
Form	Crystalline
Odor	Oderless
Odor Threshold	Not available
Physical State	Solid
pH	6-8 neutral
Melting Point	800.9 C (1473.8 F)
Freezing Point	Not available
Boiling Point	1413 C (2575.4 F)
Flash Point	Not available
Evaporation Rate	Not available
Flammability limits in air, lower,% by volume	Not applicable
Flammability limits in air, upper,% by volume	Not applicable
Vapor pressure	0.1 kPa (1 mmhg)@ 865 C
Vapor density	Not applicable
Specific gravity	2.17 (H@) @20 C
Relative density	2.17 g/cm3
Octanol/Water coefficient	Not available
Solubility (H2O)	36g/100g H2O @ 20 C
Auto-ignition temperature	Not available
Percent volatile	0% w/w
Molecular weight	58.4400 g/mole
Molecular formula	NaCl,

10 CHEMICAL STABILITY REACTIVITY INFORMATION

Chemical Stability	Stable under recommended storage conditions
Conditions to avoid	Do not mix with incompatible materials
Incompatible materials	Reactive with oxidizing agents, acids, metals in presence of moisture, lithium, bromine, trifluoride
Hazardous decomposition products	May include and are not limited to : Halogenated compounds. Hydrogen chloride
Possibility of hazardous reactions	

11 TOXICOLOGICAL INFORMATION

Component analysis-LC50	
Ingredients	LC50
Sodium Chloride	>21000 mg/m3 rat
Component analysis-Oral LD50	
Ingredients	LD50
Sodium Chloride	3000mg/kg rat
Effects of acute exposure	
Eye	May cause irritation
Skin	May cause irritation
Inhalation	Dust of this product may cause irritation of the nose, throat, & respiratory tract
Ingestion	May cause stomach distress, nausea or vomiting
Sensitization	Not classified or listed by IARC, NTP, OSHA, and ACGIH
Chronic effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH
Mutagenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH
Reproductive effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH
Teratogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH

12 ECOLOGICAL INFORMATION

Ecotoxicity	Maybe harmful to freshwater aquatic species and to plants that are not tolerant
Environmental effects	Not available
Aquatic toxicity	Not available
Persistence/Degradability	Not available
Bioaccumulation/ accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

