

Link Feed Ingredients

806-360-3886 Fax: 806-363-6276

MATERIAL SAFETY DATA SHEET

Salt

Doc. No.: MSDS Sodium Chloride	Page 1 of 4
Revision No.: 1	Review Date: 8/9/16

1.0 IDENTIFICATION OF MATERIAL:

Name of Composition	Salt
Chemical Name	Sodium Chloride
Molecular Formula	NaCl

CAS NO.	COMPONENT	CONCENTRATION
7647-14-15	SODIUM CHLORIDE	96-100%

3.0 PHYSICAL DATA:

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Appearance: Crystals. White, light brown, light pink, light red. Odorless.	2669°F	2.165
Solubility (water)	Freezing Point	pH
Soluble	1473.8°F	6.7-7.3
Molecular weight	Physical State	Form
58.44 g/mol	Solid	Crystalline

4.0 FIRE AND EXPLOSIVE HAZARD DATA:

FLASH POINT	FLAMMABLE (EXPLOSIVE) LIMITS (PERCENT BY VOLUME)	
	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	N/A	N/A

FIRE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SPECIAL FIRE FIGHTING PROCEDURE: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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5.0 HEALTH HAZARD DATA:

EFFECTS OF OVEREXPOSURE	ACUTE	Causes eye irritation, and may irritate skin. Inhalation of dusts may cause respiratory irritation. Ingestion may cause irritation of the gastrointestinal tract.
	CHRONIC	None known.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If east to do, remove contact lenses. Get medical attention if irritation develops and persists.

Skin Contact: Immediately flush skin with plenty of water. Remove clothing and shoes if contaminated. Get medical attention of if irritation develops and persists.

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Ingestion: Drink plenty of water. Seek medical advice. If ingestion of a large amount does occur, call a poison control center immediately.

Notes to physician: Treat symptomatically

General advice: Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

6.0 REACTIVITY DATA:

GENERAL REACTIVITY:	Stable under normal temperature conditions.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen chloride
CONDITIONS TO AVOID:	Excessive heat

7.0 SPILL PROCEDURES/DISPOSAL REQUIREMENTS:

PERSONAL PRECAUTIONS	Keep unnecessary personnel away. Keep upwind. Ventilate the area. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
ENVIRONMENTAL PRECAUTIONS	Prevent further leakage or spillage if safe to do so.
METHODS FOR CONTAINMENT	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.
METHODS FOR CLEANING UP	Avoid dust formation. Small spills: Sweep up or vacuum up spillage and collet in suitable container for disposal. Large spills: Collect dust or particles using a vacuum cleaner with HEPA filter. Reduce airborne dust and prevent scattering by moistening with water. Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Clean up in accordance with all applicable regulations.

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8.0 SPECIAL PROTECTION INFORMATION:	
EYE PROTECTION:	Use tight fitting goggles if dust is generated
SKIN PROTECTION:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
RESPIRATORY:	Wear dust mask if there is dust formation.
GENERAL HYGIEN CONSIDERATIONS:	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash working clothes and protective equipment to remove contaminants.
ENGINEERING CONTROLS	Good general ventilation should be used. Ventilation rates should be matched to conditions.

9.0 SPECIAL PRECAUTIONS:	
STORAGE REQUIREMENTS:	Keep containers tightly closed in a dry, cool and well-ventilated place.
HANDLING:	Keep formation of airborne dusts to a minimum. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Use proper personal protective equipment.

10.0 SHIPPING REGULATIONS		
Shipping Name: Sodium Chloride	NFPA Ratings Health:2; Flammability:0; Instability:2	
Hazard Categories	US Federal Regulations	Section 311 hazardous chemical
Immediate Hazard-Yes Delayed Hazard- No Fire Hazard- No Pressure Hazard- No Reactivity Hazard- No	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200. All components are on the U.S. EPA TSCA Inventory List.	YES
Label Hazard Warning	Label Precautions	Label First Aid
WARNING Causes eye irritation	Keep formation of airborne dusts to a minimum. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. See Personal Protective Equipment section of MSDS.	Use tight fitting goggles if dust is generated. Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear dust mask if there is dust formation. Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash working clothes and protective equipment to remove contaminants.

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11.0 Toxicology Information	
Sodium Chloride (7647-14-5)	Acute Oral LD50 Rat: 3000mg/kg
Sensitization	Not a skin sensitizer
Acute effects	May be harmful if excessive amount is swallowed
Local effects	Causes eye irritation
Carcinogenicity	Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
Skin corrosion/irritation	Contact with skin may cause irritation.
Epidemiology	No epidemiological data is available for this product.
Mutagenicity	No data available to indicate product or any of the components present at greater than 0.1% are mutagenic or genotoxic.
Neurological effects	None known
Symptoms and target organs	Irritant effects

12.0 Ecological Information	
Eco-toxicity	This product has no known Eco-toxicological effects.
Environmental effects	Ecological injuries are not known or expected under normal use. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	This material is readily biodegraded and is not likely to bio-concentrate.

13.0 NOTES:
<i>The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without representation of warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and express disclaimer liability for loss, damage or expense arising out of, or in any way connected with handling, storage, use or disposal of the product.</i>