

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade name/Synonyms:	Sodium Chloride, Salt, Halite
Chemical Name:	Sodium Chloride
CAS Number:	7647-14-5
Chemical Family:	Inorganic Salt (Alkali Metal-Halogen)
Chemical Formula:	NaCl

This material is in compliance with the Toxic Substance Control Act.

II. SUMMARY OF HAZARDS

Caution! May cause irritation to the eyes, skin and respiratory tract. In case of contact, flush eyes with water and wash skin with soap and water. If inhaled and breathing becomes difficult, remove to fresh air. If irritation persists, contact a physician.

III. CHEMICAL AND PHYSICAL PROPERTIES

The pH level corresponds to 100 grams in 1 liter H₂O @ 68° F.

Boiling Point:	257.5° F	Vapor Pressure:	2.4 mm @ 746.9° C
Melting Point:	Not Applicable	Vapor Density:	Not Applicable

Sol. In Water:	317 g/l @ 60° F	Specific Gravity:	2.165 (H ₂ O = 1)
pH:	Not Applicable	Evaporated Rate:	Not Applicable
Appearance/Odor:	Solid White or off-white material, no odor.		

IV. HEALTH HAZARD DATA & FIRST AID PROCEDURES

Toxicity Data

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Sodium Chloride	3000 mg/kg, rat, oral	Not Established

IV. HEALTH HAZARD DATA & FIRST AID PROCEDURES (con't)

Eye Contact:	May cause eye irritation. In case of contact, flush eyes with water. physician if irritation persists.
Skin Contact:	May cause irritation. In case of contact, wash skin with soap and water. Call physician if irritation persists.
Skin Absorption:	Not expected to be absorbed through skin. In case of contact, flush skin with soap and water.
Inhalation:	May cause mild irritation to respiratory tract. If breathing becomes difficult, remove to fresh air. Contact physician if irritation persists.
Ingestion:	Ingestion of large amount (more than 0.1 pounds) may cause vomiting.
Chronic Effect Of Over Exposure:	No chronic local or systemic toxicity.

V. EXPOSURE CONTROL MEASURES

Eye Protection:	Desirable but not required.
Protective Gloves:	Desirable but not required.

Respiratory Protection:	Respirator unnecessary, but may be used for comfort.
Other Protection:	None
Ventilation:	Not necessary (dust collector may be used in confined spaces).
Personal Work Practices:	Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

VI. FIRE and EXPLOSION HAZARD DATA

Flash Point:	Not combustible.
Flammability Limits:	Lower: None Upper: None
Fire Fighting Instruct:	Not combustible
Fire & Explosion	None

VII. REACTIVITY DATA

Stability:	Stable at normal temperatures and conditions of storage.
Incompatibility:	Chemical reactions occur when this product is involved with strong acids such as sulfuric or nitric.
Hazardous Products Of Decomposition's:	Hydrochloric Acid.
Hazardous Polymerization:	Will not undergo hazardous polymerization.

VIII. ENVIRONMENTAL & DISPOSAL INFORMATION

General:	No special hazards connected with leaks or spills.
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Action to take

For spills/leaks:

Sweep up and flush with water.

Disposal Methods:

Dry land fill or dissolve in sufficient amounts of water to meet existing water quality standards

IX. PRECAUTIONS FOR SAFE HANDLING, STORAGE and USE

Store in dry area with <75% relative humidity to avoid caking.

X. SHIPPING INFORMATION

Not regulated for transportation purposes.

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