SODIUM CHLORIDE

Material Safety Data Sheet

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PRODUCT IDENTIFICATION:

Synonyms: Salt

Formula CAS No.: 7647-14-5 Molecular Weight: 58.44

Hazardous Ingredients: Sodium Chloride Chemical Formula: NaCl

PRECAUTIONARY MEASURES

WARNING! CAUSES EYE IRRITATION

Avoid contact with eyes.
Wash thoroughly after handling.

EMERGENCY FIRST AID

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
SEE SECTION 5.

Physical Data Section 1

Appearance: White crystalline.

Odor: Odorless.

Boiling Point: 1413 C (2575 F) Vapor Density (Air=1): No information found.

Melting Point: 801 C (1474 F) Vapor Pressure (mm Hg): 1.0 @ 865 C (1589 F).

Specific Gravity: 2.16 Evaporation Rate: No information found.

Fire and Explosion Information Section 2

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece Operated in the pressure demand or other positive pressure mode.

Reactivity Data — Section 3

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	When heated to above 801 C (1474 F) it emits toxic fumes of chloride and sodium oxide.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Lithium, bromide trifluoride.

Leak/Spill Disposal Information — Section 4

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Disposal: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility, or if local ordinances allow, can be dissolved in sufficient amounts of water to meet water quality standards, and flushed down a sewer drain.

Ensure compliance with local, state and federal regulations.

Health Hazard Information — Section 5

A. Exposure/Health Effects

Inhalation:	Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness, and sore throat.
Ingestion:	Very large doses can cause vomiting, diarrhea, and prostration. Dehydration and congestion occur in most internal organs. Hypertonic salt solutions can produce violent inflammatory reactions in the gastrointestinal tract.
Skin Contact:	Not expected to be a health hazard.
Eye Contact;	May cause irritation.
Chronic Exposure:	No information found.
Aggravation of Pre-existing Conditions:	No information found.

B. First Aid

Inhalation:	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion:	If large amounts were swallowed, get medical advice.
Skin Exposure:	Wash exposed area with soap and water. Get medical advice if irritation develops.
Eye Exposure:	Wash Thoroughly with running water. Get medical advice if irritation develops.

C. Toxicity

Oral rat LD50: 3000 mg/kg. Reproductive effects cited.

Occupational Control Measures — Section 6

Airborne Exposure Limits:	None established.
Ventilation System:	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
Personal Respirators: (NIOSH Approved)	For conditions of use where exposure to the dust is apparent, a dust/ mist respirator may be worn. For emergencies, a self contained breathing apparatus may be necessary.
Skin Protection:	Wear protective gloves and clean body-covering clothing.
Eye Protection:	Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

Storage and Special Information — Section 7

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

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Addendum to Material Safety Data Sheet

Regulatory Status

Hazard Categories for SARA
Section 311/312 Reporting

Acute	Chronic	Fire	Pressure	Reactive
X				

SARA Sec. 313 Chemicals

Product or Components Of Product	SARA Sec. RQ	EHS 302 TPQ	Name List	Chemical Category	CERCLA sec. 103 RQ lbs	RCRA sec 261.33
SODIUM CHLORIDE (7647-14-5)	No	No	No	No	No	No

SARA Section 302 EHS RQ:
Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:
Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 Micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:
Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:
Comprehensive Environmental Response, Compensation and liability Act (Superfund) Releases to air, land Or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4.

RCRA:
Resource Conservation an Recovery Act. Commercial chemical product wastes designated as acute Hazards or toxic under 40 CFR 261.33

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