SAFETY DATA SHEET

Sodium Chloride, Technical

Revised: 11/17/2026

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sodium Chloride, Technical
Synonyms: sodium chloride
CAS Number: 7647-14-5
Grade/Purity: Technical
Product Type: Inorganic Salt (Solid)
Product Use: Industrial, Manufacturing or Laboratory use
Manufacturer/Supplier: Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574
Information: 512-365-6838 | www.alliancechemical.com
Emergency: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

Signal Word: Not Classified

GHS Pictograms:

None assigned

Hazard Statements:

Not	classified as hazardous under OSHA HCS / GHS.

Precautionary Statements:

P264	Wash hands after handling.
P501	Dispose of contents and container in accordance with all applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	% MIN	% MAX	CAS #	EINECS# / ELINCS#	FORMULA	MOLECULAR WEIGHT
Sodium Chloride	99	100	7647-14-5	231-598-3	NaCl	58.44 g/mol

4. FIRST-AID MEASURES

Eyes	Rinse with water for several minutes. Get medical attention if irritation persists (dust may be mildly abrasive).
Skin	No hazard expected. Wash with water.
Inhalation	Move to fresh air if dust is inhaled.
Ingestion	Low toxicity. Rinse mouth; get medical attention if a large amount is swallowed.

5. FIRE-FIGHTING MEASURES

Suitable Media	Use water spray, alcohol-resistant foam, dry chemical, or CO2. Use measures appropriate to local circumstances.
Unsuitable Media	Do not use a solid water stream as it may scatter and spread fire.
Protective Equipment	Wear self-contained breathing apparatus and full protective clothing.
Combustion Products	Non-combustible. See Section 10.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental	Prevent leakage or spillage from entering drains, sewers, or waterways.

Containment & Cleanup	Sweep or vacuum up, avoiding dust. Collect in appropriate waste container. Dispose per applicable regulations.

7. HANDLING AND STORAGE

Safe Handling	Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use.
Safe Storage	Store in a cool, dry, well-ventilated area. Keep away from: Strong oxidizers; strong acids (may liberate hydrogen chloride); reactive metals (lithium); bromine trifluoride. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

Occupational Exposure Limits:

AGENCY	EXPOSURE LIMIT
OSHA PEL	None established
ACGIH TLV	None established
NIOSH REL	None established
IDLH	Not established

Eyes	Wear chemical safety goggles or face shield.
Skin	Wear chemical-resistant gloves and protective clothing.
Inhalation	Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline solid or powder
Odor	Odorless
Median Particle Size	Not Available
Particle Size Distribution	Not Available
Particle Shape	Not Available
Surface Area	Not Available
Dustiness	Not Available
Hygroscopicity	Not Available
pH	~7 (neutral, aqueous solution)
Melting Point	801 C
Boiling Point	1413 C
Flash Point	Not applicable (non-combustible)
Vapor Pressure	Negligible
Specific Gravity	2.17
Solubility	Soluble in water (~360 g/L at 20 C)
Molecular Formula	NaCl
Molecular Weight	58.44 g/mol

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Hazardous Reactions	None under normal conditions. Contact with strong acids can liberate hydrogen chloride; incompatible with strong oxidizers and some reactive metals.
Conditions to Avoid	Heat, sparks, open flame, and incompatible materials.

Incompatible Materials	Strong oxidizers; strong acids (may liberate hydrogen chloride); reactive metals (lithium); bromine trifluoride
Decomposition Products	Stable; does not decompose under normal conditions. At very high temperature or with strong acids may release hydrogen chloride / chlorine.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: See below for route-specific data.

ROUTE	VALUE
LD50 Oral	3000 mg/kg (rat, oral)
LD50 Dermal	> 10000 mg/kg
LC50 Inhalation	Not established (nuisance dust)

IARC	Not listed as carcinogen.
NTP	Not listed as carcinogen.
OSHA	Not listed as carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Fish LC50: ~5840 mg/L (fathead minnow, 96 h) - low toxicity; Daphnia EC50: ~1000 mg/L (48 h) [PubChem]
Persistence	Not applicable (inorganic)
Bioaccumulation	BCF: Low; not bioaccumulative
Mobility in Soil	Log Kow: Not applicable (ionic salt)

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

14. TRANSPORT INFORMATION

US DOT	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
IATA/ICAO	Not regulated as dangerous goods.
Marine Pollutant	No

15. REGULATORY INFORMATION

TSCA: listed. SARA 313 (TRI): not listed. CERCLA: no RQ. California Proposition 65: not listed. State Right-to-Know: not listed. US DOT: not regulated.

SARA 311/312	See Section 2 for hazard classifications.

16. OTHER INFORMATION

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