

North American Salt

ROCK SALT

Sodium chloride

Section 1. Product and Company Identification

Common Name: Sodium chloride

Supplier: Compass Minerals Group

8300 College Boulevard

Overland Park, KS

66210, USA

Synonyms: Sodium chloride, Salt, Sea salt, Saline, Halite, Rock salt, Ice/Snow melter.

Trade name: Sodium chloride.

Material Uses: Deicing, general industrial and water softening/conditioning purposes.

Manufacturer:

Canada:

Sifto Canada, Inc.

6700 Century Ave., Suite 202

Mississauga, Ontario

L5N 6A4, Canada (905) 567-0231

United States:

North American Salt Company

8300 College Boulevard

Overland Park, KS

66210, USA (913) 344-9100

In Case of Emergency:

Canada: CANUTEC-1-613-996-6666

US: CHEMTREC-1-800-424-9300

Code: Not available.

MSDS#: Not available.

Preparation Date: 10/30/2002.

Section 2. Composition, Information on Ingredients

Name	CAS #	Exposure Limits
Sodium chloride	7647-14-5	TWA PEL: No specific limits have been established for sodium chloride a soluble substance). As a guideline, OSHA (United States) 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 sodium chloride (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Section 3. Hazards Identification

Emergency Overview: White crystalline solid.

WARNING!

MAY CAUSE EYE IRRITATION.

Routes of Entry: Absorbed through skin. Eye contact.

Inhalation. Ingestion.

Potential Acute Health Effects

Eyes: Slightly hazardous in case of eye contact (irritant).

Skin: Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation: Slightly hazardous in case of inhalation (lung irritant).

Ingestion: Slightly hazardous in case of ingestion.

Potential Chronic Health Effects:

Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical conditions.

Potential Environmental Effects: Maybe harmful to freshwater aquatic species and to plants that are not saline tolerant.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Obtain medical attention if irritation persists.

Skin Contact: Wash with soap and water. Obtain medical attention if irritation persists. Cold water may be used.

Inhalation: If inhaled, move to fresh air. If not breathing, give artificial respiration. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water.

Never give anything by mouth to an unconscious person.

Obtain medical attention.

Notes to Physician: Not available.

Section 5. Fire Fighting Measures

Flammability of the Product: May be combustible at high temperature.

Autoignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Decomposes when heated to temperatures above 801 degrees C, may release toxic fumes of chlorine and sodium oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Use extinguishing media suitable for surrounding materials.

Protective Clothing (Fire): Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6. Accidental Release Measures

Small Spill and Leak: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill and Leak: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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Section 7. Handling and Storage

Handling: Avoid breathing dust. Avoid contact with incompatibles.
Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes: Safety glasses.
Body: Protective clothing may be worn in dusty area, but is generally not required.
Respiratory: NIOSH approved filtering facepiece may be necessary.

Section 9. Physical and Chemical Properties

Physical State and Appearance: White crystalline solid.
Color: White.
Odor: Odorless.
Molecular Weight: 58.44 g/mole
Molecular Formula: NaCl
pH (5% Soln/Water): 6 to 8 [Neutral.]
Boiling/Condensation Point: 1413 deg C (2575.4 deg F)
Melting/Freezing Point: 800.9 deg C (1473.6 deg F)
Critical Temperature: Not available.
Specific Gravity: 2.165 (Water = 1)
Vapor Pressure: 0.1 kPa (1 mmHg) (at 865 deg C)
Vapor Density: Not applicable.
Volatility: 0% (v/v), 0% (w/w).
Odor Threshold: Not applicable.
Evaporation Rate: Not applicable.
VOC: 0 (%)
Viscosity: Not applicable.
LogKow: Not available.
Solubility: Soluble in cold water, hot water, 36g/100g H2O (20 deg C)

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable.
Conditions of Instability: Not applicable.
Incompatibility with Various Substances: Reactive with oxidizing agents, acids, lithium, bromine trifluoride.
Hazardous Decomposition Products: These products are chlorine, oxides of sodium.
Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Toxicity to Animals:
Acute oral toxicity (LD50): 3000 mg/kg [Rat].
Acute toxicity of the dust (LC50): >2100 ml/m3 4 hour(s) [Rat].
Chronic Effects on Humans:
Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
May cause damage to the following organs: upper respiratory tract, skin, eyes, stomach.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on Other Toxic Effects on Humans: Not available.

Section 12. Ecological Information

Ecotoxicity: Maybe harmful to freshwater aquatic species and to plants that are not saline tolerant.
BOD and COD: Not applicable.
Biodegradable/OECD: Not applicable.
Mobility: Not available.
Products of Degradation: Not applicable.
Toxicity of the Products of Biodegradation: Not applicable.
Special Remarks: Not applicable.

Section 13. Disposal Considerations

Waste Information: Waste must be disposed of in accordance with federal, state/provincial and local environmental control regulations.
Waste Stream: Not available.
Consult your local or regional authorities.

Section 14. Transport Information

Regulatory Information

DOT Classification

UN number: Not applicable.
Proper shipping name: Not applicable.
Class: Not a DOT controlled material (United States).
Packing Group: Not applicable.
Label:

TDG Classification

UN number: Not applicable.
Proper shipping name: Not applicable.
Class: Not a TDG controlled material.
Packing Group: Not applicable.
Label:

ADR/RID Class

UN number: Not available.
Proper shipping name: Not available.
Class: Not available.
Packing Group: Not available.
Label:

IMDG Class

UN number: Not available.
Proper shipping name: Not available.
Class: Not available.
Packing Group: Not available.
Label:

IATA-DGR Class

UN number: Not available.
Proper shipping name: Not available.
Class: Not available.
Packing Group: Not available.
Label:

Section 15. Regulatory Information

HCS Classification: Not controlled under the HCS (United States).

U.S. Federal Regulations:

TSCA 8(b) inventory: Sodium chloride 7647-14-5
SARA 302/304/311/312 hazardous chemicals: Sodium chloride
SARA 311/312 MSDS distribution - chemical inventory -
hazard identification: Sodium chloride: Immediate (Acute) Health Hazard
Not listed under CWA.
Not listed under CAA.
Not listed under CERCLA.

State Regulations:

No products were found under New Jersey, New York and Pennsylvania RTK.
California Prop. 65: No ingredient was found.

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Canadian Regulations:

Not controlled under WHMIS (Canada).
This product has been classified in accordance with the
hazard criteria of the CPR and the MSDS contains all
the information required by the CPR.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.)

Health: 1
Fire Hazard: 0
Reactivity: 0
Specific Hazard:

References: Not available.

Other Special Considerations: Not available.

Preparation Date: 10/30/2002.

Prepared by: Dell Tech Laboratories Ltd. (519) 858-5021

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