

Material Safety Data Sheet

(11) WOODS
H₂O Softener Salt
An electronic version of this MSDS is

Salt, Water
Softener

available at the following web address:

<http://www.compassminerals.com>

Sodium chloride

Section 1. Product and Company Identification

Common Name	: Sodium chloride	Code	: Not available.
Supplier	: Compass Minerals Group 8300 College Boulevard Overland Park, KS 66210, USA	MSDS#	: Not available.
Synonyms	: Sodium chloride, Salt, Sea salt, Saline, Halite, Rock salt, Ice/Snow melter.	Preparation Date	: 4/15/2002.
Trade name	: Sodium chloride.	Print Date	: 4/15/2002.
Material Uses	: Deicing, general industrial and water softening/conditioning purposes.	In Case of Emergency	: Canada: CANUTEC-1-813-996-6666 US: CHEMTREC-1-800-424-9300
Manufacturer	: Canada: United States: Sifto Canada, Inc. North American Salt Company 5430 Timberlea Boulevard 8300 College Boulevard Mississauga, Ontario Overland Park, KS L4W 2T7, Canada 66210, USA		

Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Sodium chloride	7647-14-5	90-100	<p>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.</p> <p>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.</p>

Section 3. Hazards Identification

Emergency Overview : White crystalline solid.

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)

Date copied and placed
into MSDS:

02/24/03

Sodium chloride**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** : Non-flammable.
- Autoignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable Limits** : Not applicable.
- 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 applicable.
- 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** : Contact emergency services and supplier for advice. 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.

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 (1% Soln/Water)** : 6 to 8 [Neutral.]
- Boiling/Condensation Point** : 1413°C (2575.4°F)
- Melting/Freezing Point** : 800.9°C (1473.6°F)

dium chloride

ical Temperature	: Not available.
ific Gravity	: 2.165 (Water = 1)
or Pressure	: 0.1 kPa (1 mmHg) (at 865°C)
or Density	: Not applicable.
tility	: 0% (v/v). 0% (w/w).
r Threshold	: Not applicable.
poration Rate	: Not applicable.
	: 0 (%)
osity	: Not applicable.
K _{ow}	: Not available.
ibility	: Soluble in cold water, hot water. 36g/100g H ₂ O (20°C)

ection 10. Stability and Reactivity

ility and Reactivity	: The product is stable.
ditions of Instability	: Not applicable.
ompatibility with Various stances	: Reactive with oxidizing agents, acids, lithium, bromine trifluoride.
ardous Decomposition ducts	: These products are chlorine, oxides of sodium.
ardous Polymerization	: Will not occur.

ection 11. Toxicological Information

icity to Animals	: Acute oral toxicity (LD50): 3000 mg/kg [Rat]. Acute toxicity of the dust (LC50): >2100 ml/m ³ 4 hour(s) [Rat].
ronic 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.
er Toxic Effects on Humans	: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).
ecial Remarks on Toxicity to imals	: Not available.
ecial Remarks on Chronic ects on Humans	: Not available.
ecial Remarks on Other Toxic ects on Humans	: Not available.

ection 12. Ecological Information

otoxicity	: Maybe harmful to freshwater aquatic species and to plants that are not saline tolerant.
D and COD	: Not applicable.
degradable/OECD	: Not applicable.
bility	: Not available.
educts of Degradation	: Not applicable.
xicity of the Products of degradation	: Not applicable.
ecial Remarks	: Not applicable.

ection 13. Disposal Considerations

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

onsult your local or regional authorities.

ection 14. Transport Information

Sodium chloride

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label
DOT Classification	Not applicable.	Not applicable.	Not a DOT controlled material (United States).	Not applicable.	
TDG Classification	Not applicable.	Not applicable.	Not a TDG controlled material.	Not applicable.	
ADR/RID Class	Not available.	Not available.	Not available.	Not available.	
IMDG Class	Not available.	Not available.	Not available.	Not available.	
IATA-DGR Class	Not available.	Not available.	Not available.	Not available.	

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
 Not listed under SARA 302, 304, or 313.
 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 products were found.

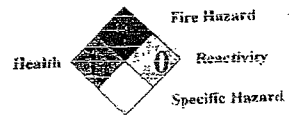
Canadian Regulations : Not controlled under WHMIS (Canada).
 This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16. Other Information

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

Health	1
Target Hazard	0
Reactivity	0
Personal Protection	E

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



References : Not available.
Other Special Considerations : Not available.

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