



MATERIAL SAFETY DATA SHEET

Sodium chloride

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium chloride

Catalog Numbers: BP/S200/70, BPE358-1, BPE358-10, BPE358-212, S/3100/63, S/3105/63, S/3105/70, S/3120/53, S/3120/60, S/3120/63, S/3120/65, S/3120/70, S/3160/53, S/3160/60, S/3160/63, S/3160/65, S/3160/68, S/3160/70, S/3165/53, SP/0133, SP/0332, SP/0497, SP/0498, SP/0551

Synonyms: Common salt; Halite; Rock salt; Saline; Salt; Sea salt; Table salt.

Company Identification: Fisher Scientific UK
Bishop Meadow Road, Loughborough
Leics. LE11 5RG

For information in Europe, call: (01509) 231166**Emergency Number, Europe:** 01509 231166

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
7647-14-5	Sodium chloride	99+	231-598-3

Hazard Symbols: None listed**Risk Phrases:** None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW*Hygroscopic (absorbs moisture from the air).***Potential Health Effects****Eye:** May cause eye irritation. Exposure to solid may cause pain and redness.**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.**Chronic:** No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.**Ingestion:** Do not induce vomiting. Get medical aid if irritation or symptoms occur.**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.**Notes to Physician:** Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

- General Information:** Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. May be combustible at high temperatures.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

- Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Storage:** Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 7647-14-5:

Personal Protective Equipment

- Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: white

Odor: odorless

pH: 5.0 - 8.0 (5% aq.sol. 20°C)

Vapor Pressure: 1 mm Hg @ 865 deg C

Viscosity: Not available

Boiling Point: 1461 deg C @ 760 mmHg (2,661.80°F)

Freezing/Melting Point: 801 deg C (1,473.80°F)

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

Decomposition Temperature: Not available

Solubility in water: 360 g/L (20°C)

Specific Gravity/Density: 2.165

Molecular Formula: NaCl

Molecular Weight: 58.44

Section 10 - Stability and Reactivity

Chemical Stability:	Hygroscopic: absorbs moisture or water from the air.
Conditions to Avoid:	High temperatures, incompatible materials, dust generation, exposure to moist air or water.
Incompatibilities with Other Materials	Metals, strong oxidizing agents, strong acids, bromine trifluoride, nitro compounds, dichloromaleic anhydride + urea.
Hazardous Decomposition Products	Hydrogen chloride, sodium oxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 7647-14-5: VZ4725000
LD50/LC50:	RTECS: CAS# 7647-14-5: Draize test, rabbit, eye: 100 mg Mild; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, skin: 50 mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, rat: LC50 = >42 gm/m ³ /1H; Oral, mouse: LD50 = 4 gm/kg; Oral, rat: LD50 = 3000 mg/kg; Skin, rabbit: LD50 = >10 gm/kg; .
Carcinogenicity:	Sodium chloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7647-14-5: 0

Canada

CAS# 7647-14-5 is listed on Canada's DSL List

US Federal

TSCA

CAS# 7647-14-5 is listed on the TSCA
Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/12/1999

Revision #13 Date 2/15/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
