



1. DESCRIPTION

Trade Name: SODIUM CHLORIDE

Chemical Class: Mineral

Chemical Name: Sodium Chloride, NaCl, Common salt, Saline, Halite

Application: Weighting agent in drilling fluid industry

Supplier: TEAM Chemicals

Telephone: +44 (0)207 408 7700 - +98 912 3717539

Address: No. 43, Souri St., 43 Ashrafi Esfahani Expressway

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

Name	CAS RN	INT HAZ	%
Sodium Chloride EC NO: 231-598-3	7647-14-5	NONE	>97

3. HAZARD IDENTIFICATION

Potential Acute Health Effects:

SWALLOWED Though ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual.

EYE Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce.

SKIN Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce.

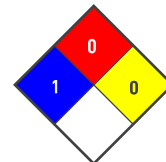
INHALED The material is not thought to produce adverse health effects or irritation of the respiratory tract

Potential Chronic Health Effects:

Indicators are that short term exposure to the material by all routes is not harmful. Principal routes of exposure are usually by inhalation of generated dust and skin contact.

Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.

As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

**Irritant** Yes **Flammable** No**Carcinogenic** No **Oxidant** No**Explosive** No **Environmental Hazard** No**Corrosive** No **(Risk-Phrases)** - **(Safety-Phrases)** S24-S39-S26

4. FIRST AID MEASURES

Eye Contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

Skin Contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

Inhalation:

If dust is inhaled, remove from contaminated area.

- Encourage patient to blow nose to ensure clear passage of breathing.

Ingestion:

- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: There is no restriction on the type of extinguisher which may be used.

FIRE FIGHTING: Alert Fire Brigade and tell them location and nature of hazard.

- Wear breathing apparatus plus protective gloves for fire only.
- Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot.

FIRE/EXPLOSION HAZARD Non combustible.

FIRE INCOMPATIBILITY Not determined

Glasses: Safety Glasses, Chemical goggles. **Gloves:** **Respirator:** Particulate



6. ACCIDENTAL RELEASE MEASURES

Small Spill:

- Clean up all spills immediately.
- Avoid contact with skin and eyes.
- Wear impervious gloves and safety glasses.
- Use dry clean up procedures and avoid generating dust.

Large Spill:

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact by using protective equipment and dust respirator.
- Prevent spillage from entering drains, sewers or water courses.
- Recover product wherever possible. Avoid generating dust.
- Sweep / shovel up.

7. HANDLING AND STORAGE

Handling Precautions: Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage Precautions: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

Ingredient	CAS
Sodium	CAS:7647-14-5 CAS:8028-77-1 CAS:11062-32-1 CAS:11062-43-4
Chloride	

PERSONAL PROTECTION

RESPIRATOR Respiratory protection must be used if air contamination exceeds acceptable level.

EYE Wear general protective gloves: i.e. Disposable polythene gloves or Cotton gloves or Light weight rubber gloves, with Barrier cream preferably Safety footwear.

HAND/FEET Wear general protective gloves: i.e. Disposable polythene gloves or Cotton gloves or Light weight rubber gloves, with Barrier cream preferably Safety footwear.

OTHER Overalls. Eyewash unit

ENGINEERING CONTROLS None required when handling small quantities. OTHERWISE: Use in a well-ventilated area. Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by mutual friction.



9. PHYSICAL & CHEMICAL PROPERTIES

Physical State and Appearance: Powder

Color: White

Odor: Odorless to slight

pH (1% solution): 7

Boiling Point: 1413 °C (2575.4°F)

Melting/Freezing Point: 801°C (1473.8°F)

Specific Gravity: 2.16

Solubility (Water): Soluble in hot and cold water

10. STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Incompatible materials

Materials to Avoid: Not determined.

Special Remarks on Reactivity: Hygroscopic. Reacts with most nonnoble metals such as iron or steel, building materials (such as cement) Sodium chloride is rapidly attacked by bromine trifluoride. Violent reaction with lithium.

Special Remarks on Corrosivity: Non-Corrosive

11. TOXICOLOGICAL INFORMATION

Toxicity:

TOXICITY

Oral (rat) LD50: 3000 mg/kg

Oral (human) TDLo: 12357 mg/kg/23d

Oral Lowest Toxic Dose (Human): 8.2 mg/kg

IRRITATION

Skin (rabbit): 500 mg/24h – Mild

Eye (rabbit): 10 mg – Moderate

Eye (rabbit): 100 mg/24h – Moderate

Chronic Effects on Humans: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/ or yeast.

Special Remarks on other Toxic Effects on Humans: Causes adverse reproductive effects in humans (fetotoxicity, abortion,) by intraplacental route.



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Material Safety Datasheet

SODIUM CHLORIDE



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12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Contact TEAM Environmental Affairs for ecological data. TLm 96 > 1000 ppm

13. DISPOSAL CONSIDERATION

DISPOSAL METHODS: · Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorized landfill. Recycle containers if possible, or dispose of in an authorized landfill.

14. TRANSPORT INFORMATION

U.S. DOT Not a DOT controlled material (United States).

U.S. DOT CLASS: Not determined

Shipping Description: NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADR, IATA,IMDG

15. REGULATORY INFORMATION

Classification: Toxicity: refer to section 11 and 12.

Poisons Schedule (SUSMP): None allocated.

This material is listed on the international standard such as OHSAS 18001:2007.

Regulations

Sodium chloride (CAS: 7647-14-5) is found on the following regulatory lists;

European Customs Inventory of Chemical Substances (English)

European Inventory of Existing Commercial Substances - EINECS

European Union (EU) Inventory of Ingredients used in Cosmetic Products

OECD Representative List of High Production Volume (HPV) Chemicals

No data available for sodium chloride as CAS: 8028-77-1, CAS: 11062-32-1, CAS: 11062-43-4, CAS: 418758-90-4.



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16. ADDITIONAL INFORMATION

Yearly Revised Primary MSDS

Update in Toxicological Information


Update in Ecological Information

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. TEAM cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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