

1. Identification of the substance:

Product: Sodium Chloride/Salt
White hygroscopic crystals or powder, in solid shape; tablets.

Use of the substance:

Applications: Food salt, agricultural salt, cosmetics, animal feed salt, water softening, deicing salt, melting of snow, various technical and industrial applications.

Functioning: Taste substance, regeneration, preservative, aid substance in technical processes, melting of ice and snow.

Identification of the company (also in case of emergencies):

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2. Hazards identification:

Physical-chemical risks, health danger, danger to the environment: not classified as a dangerous product according to the EC directive for hazardous substances en dangerous preparations.

3. Composition and information on ingredients

- Name : Sodium Chloride (NaCl)
- CAS n° : 7647-14-5
- EINECS n°: 231-598-3
- REACH REGISTRATION n°: all products produced by Zoutman consist of sodium chloride, a natural mineral. Therefore, our products are exempted from the obligation to register and we are not directly affected by REACH
- 0 to 200ppm potassium ferrocyanide (=E536) or sodium ferrocyanide (=E535) is used as anticaking agent according to the specific application.

4. First aid:

- **Contact with the eyes:** Rinse with plenty of water first (remove contact lenses, in case this is possible), then consult a doctor.
- **Swallowing:** When swallowing large quantities and feeling unwell: please consult a doctor.
- **Breathing:** Provide fresh air. Consult a doctor when necessary.
- **Skin contact:** Rinse with plenty of water. Consult a doctor when necessary.

5. Fire protection:

- **General information:** Not flammable.
- **Suitable extinguishing media:**
Please use the most suitable extinguishing agent according to the surroundings as the product itself is not flammable.
- **Unsuitable extinguishing media:** None
- **Special exposure hazards which can be caused by the substance itself, combustion products or released gases:**
Detrimental fuming can break away from the product in case of a fire.
- **Special protecting equipment for firemen:**
In case of a fire/explosion: wear respiratory protection.
- **Additional information:** Collect contaminated fire extinguishing water separately, this must not be discharged into sewerage system.

6. Spiller or leak procedures and special protection information:

- **Personal precautions:**
Prevent dust formation. Avoid contact with the eyes or injuries.
- **Methods for cleaning up:**
Collect spilled product in a closed and corrosion resistant waste disposal container. Hoover all product carefully and if possible recycle. Wash away the residue by using a lot of water.
- **Measures for protecting the environment:**
Make sure the product does not arrive in the sewerage or public water. If so, inform the authorities.

7. Handling and storage:

- **Handling:** Avoid spreading dust.
Avoid breathing in and contact with the eyes.
- **Storage conditions:** Store only in the original packing, in a cool and dry place, out of the sun.
Storage areas and silos need to meet the local prescriptions.
- **Specific measures:** Unsuitable packing material: steel and tin.

8. Personal protection and equipment:

- **Respiratory protection:** In case of dust development: wear a filter mask with filter type P2, ensure good ventilation.
- **Hand protection:** Not required.
- **Eye protection:** In case of dust development: wear dust glasses.
- **Skin protection:** Not required.
- **General measures:** Do not eat or drink during working shifts.
Please dust off polluted clothes and wash thoroughly after use.

9. Physical and chemical properties:

- **Colour/Appearences:** white
- **Odour:** odourless
- **pH:** 5-8 (at 50 g/l H₂O / 20°C)
- **Boiling point:** 1413°C
- **Melting point:** 801°C
- **Flammability:** not auto-flammable
- **Solubility in water:** 360 g/l (20°C)
- **Explosive properties:** none
- **Oxidizing properties :** none
- **Self combustion:** none
- **Inorganic**

10. Stability and reactivity:

- **Circumstances to avoid:** Abundant exposure to atmospheric moisture can lead to caking.
- **Materials to avoid:** Avoid substances such as strong acids and oxidizing agents. Corrodes metals.
- **Hazardous decomposition products:**
Contact with strong acids: hydrochloric acid (HCl).
Contact with oxidizing agents: chlorine (Cl₂).

11. Toxicological information:

- **Contact with the eyes:** Slightly irritating
- **Swallowing:** In case of large amounts: nausea.
LD 50 acute (rat, oral): 3000mg/kg
- **Inhalation:** Slightly irritating
- **Contact with the skin:** Slightly irritating
In case of prolonged, repeated exposure: when the contact with the skin was intensive: chance on skin disorders (ulcers).

12. Ecological information:

No relevant information available.

13. Disposal considerations:

- **Eural code N°:** 06 03 14: solid salts and solutions except those which are mentioned in 06 03 11 and 06 03 13.
- **Recommendations for the product:** According to government provisions.
- **Recommendations for packaging:** According to government provisions.
- **Recommended cleaning product:** Water.

14. Transport information:

- **Road transport:** harmless product
- **Sea transport:** harmless product
- **Inland waterway transport:** harmless product
- **Air transport:** harmless product

MATERIAL SAFETY

DATA SHEET

Datum : 21/12/2010

Vervangt : 01/2009

MSDS according to
1272/2008/EG

15. Legal obligated information:

- **Chemical description:** Sodium Chloride (NaCl)
- **Signal word:** None
- **H-phrases:** None
- **EUH-phrases:** None
- **P-phrases:** None

16. Ohter information:

This safety data sheet has been formulated in conformity with the EC directive 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) n° 1907/2006.

Remark: The provided information is to our knowledge correct and complete on the date of issue. The information only concerns the mentioned product and gives no guarantee neither on the product's quality and completeness of the characteristics, nor on the effects the product has in case it is used together with other products or in any other process. It is the users responsibility to ensure himself that the information applicable is complete, with regard to the specific use he is making of the product. The editor declines any responsibility in case of loss or damage resulting from the use of these data.


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