

Safety Data Sheet for

Sodium Chloride (NaCl)

As part of our effort to provide customer information that is as comprehensive as possible, we have produced a **Safety Data Sheet** for sodium chloride (NaCl) on a voluntary basis. This covers all of the salt types (with or without additives) that we produce. We kindly ask that you note the following in conjunction with the issue of this Safety Data Sheet:

- None of the salt types that we produce or distribute is classified as toxic, hazardous or a dangerous substance by law (CH and EU).
- The **issue of a Safety Data Sheet** for any of our salt types is not a requirement under Swiss or European law, either in the retail sector, nor for professional users.

1. Identification of substance/mixture and company name

1.1. Identification of the substance

Chemical name : Sodium Chloride (table salt)
Synonyms : Salt, common salt, rock salt, sea salt
Formula : NaCl
CAS No. : 7647-14-5
EINECS No. : 231-598-3
Chemical family : Chlorides

1.2. Company name : Schweizer Salinen AG CH-4133 Pratteln 1

Telephone +41 61 825 51 51
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Email info@saline.ch
Website www.saline.ch

1.3. Emergency number : Tox Info Suisse Information: +41 44 251 66 66 In case of emergency: 145

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EG) Nr. 1272/2008 (CLP): not classified

2.2 Label elements

Labelling according to Regulation (EG) Nr. 1272/2008 (CLP): not required

Signal word: not required

2.3 Other hazards

There is no additional information.

3. Composition

Sodium Chloride : at least 97 %

Possible additives:

Sodium nitrite NaNO_2 : 0 - max. 1 %
Magnesium carbonate MgCO_3 : 0 - max. 2 %
Calcium phosphate $\text{Ca}_3(\text{PO}_4)_2$: 0 - max. 2 %
Ferrocyanide $[\text{Fe}(\text{CN})_6]^{4-}$: 0 - max. 50 mg / kg
Iodine I : 0 - max. 50 mg / kg
Fluorine F : 0 - max. 300 mg / kg

4. First-aid measures

General note : In all cases of doubt or persistent symptoms, seek medical advice.

Inhalation : Provide fresh air.

Ingestion : Rinse mouth. Call a doctor if you feel unwell.

Eye contact : Rinse eyes with water as a precaution.

Skin contact : Rinse skin with water/shower.

5. Fire-fighting measures

- Fire Hazard : None; substance not flammable
- Suitable extinguishing media : Use extinguishing media appropriate to the fire type.
- Unsuitable extinguishing media : None
- Special hazards : None
- Special protective equipment : None

6. Accidental release measures

1.6 Personal precautions

None

6.2 Environmental protection measures

Do not allow large amounts of salt to seep into the soil and groundwater.

3.6 Clean-up method

Collect product in a dry state.
Rinse with water.

7. Handling and storage

1.7 Handling : No special safety precautions are required.

7.2 Storage : Store indoors in dry conditions.

8. Exposure controls and personal protective equipment

8.1 Exposure limit

Acceptable limits : No limits stipulated

Hazardous exposure : Not stipulated

8.2 Personal protective equipment

Respiratory protection : Not necessary

Hand protection	:	Not necessary
Eye protection	:	Not necessary
Skin and body protection	:	Not necessary

9. **Physical and chemical properties**

Appearance	:	White, crystalline
Odour	:	Odourless
pH value (for 100 g/l H ₂ O)	:	7 - 9.5
Boiling point	:	1461 °C
Melting point	:	801 °C
Flash point	:	Non-flammable
Flammability	:	Non-flammable
Auto-flammability	:	Non-flammable
Explosion danger	:	None
Oxidising properties	:	None
Vapour pressure	:	Not applicable
Bulk density	:	1.1 - 1.3 t/m ³
Water solubility	:	358 g/l at 20 °C
Viscosity	:	Not applicable
Vapour density	:	Not applicable

10. **Stability and reactivity**

- | | | | |
|-------------|-------------------------------------|---|---|
| 10.1 | Reactivity | : | Not reactive under normal conditions. |
| 10.2 | Chemical stability | : | Stable under normal conditions. |
| 10.3 | Possibility of hazardous reactions: | : | No hazardous reactions under normal conditions. |
| 10.4 | Conditions to avoid | : | None |

10.5 Incompatible materials : Iron, steel (rust formation)

10.6 Hazardous decomposition products : None

11. Toxicological information

Acute toxicity	:	Not to be classified as toxic.
Eye contact	:	No adverse effects are known.
Skin contact	:	Non-toxic to skin.
Ingestion	:	Ingestion of larger quantities will lead to vomiting. The product is comparable to table salt and not toxic when the same amounts are ingested orally. LD ₅₀ oral rat : 3000 mg/kg LDL ₀ dermal rabbit : > 10'000 mg/kg
Inhalation	:	No health hazard
Carcinogenicity	:	Not known
Mutagenicity	:	Not known
Chronic effects	:	None

12. Ecological information

12.1 Toxicity

According to Regulation (EG)-Nr. 1272/2008 (CLP): shall not be classified as hazardous to the aquatic environment.

12.2 Process of degradability

Not applicable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

No other adverse effects known.

13. Disposal considerations

When diluted with large volumes of water, small amounts of sodium chloride may be poured into the sewage. For larger quantities, the method of disposal is to be agreed with the local authorities.

Empty containers with residual amounts of material may be cleaned in a dry state or rinsed out with water. The rinse water or cleaned-out residual amounts of salt, when diluted with water, may be poured into the sewage.

14. Transport information

UN number (Dangerous Goods List) : not listed

Transporting Dangerous Goods by Road, Rail or Inland Waterway (ADR/RID/AND) : Not listed

Transporting Dangerous Goods by Sea (IMDG) : Not listed

Transporting Dangerous Good by Air (ICAO-IATA/DGR) : Not listed

CH legislation

The material is not subject to the Swiss federal "Regulation concerning the transportation of dangerous goods by road" (SDR) and the Swiss federal "Regulation concerning the transportation by rail in Switzerland of dangerous goods" (RSD).

15. Regulatory information

Germany Water pollution hazard class (WGK) 1, slightly hazardous for water (identification no. 270)
Storage class (LGK) 13 (non-combustible solids)

16. Other information

REACH: According to EU Regulation No. 1907/2006 (REACH), Annex V, Section 7, substances that occur in nature such as minerals, ores, coal, gas etc. do not need to be registered, provided that they have not been modified chemically.

The salts that we produce or distribute (sodium chloride content > 97%) originate exclusively from natural sources (rock salt or sea water). The salt is recovered using processes in which no chemical changes take place. The registration of our products in respect of REACH, the EU chemicals regulation, is therefore not required.

This information is based on our current knowledge and experience. The "Safety Data Sheet" describes the product with regard to safety requirements. The information provided is not given as an assurance of product properties.

Date : 23.06.2022