

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH),
(EC) No. 453/2010 (REACH)
and according to Regulation (EC) No. 1272/2008 (CLP)



Sodium chloride

Date of issue: 04.03.2019
Replaces version from: 11.10.2018

1. Identification of the substance/preparation and of the company/undertaking *)

Identification of the substance:	Sodium chloride
Use of the substance:	Edible salt, feeding salt, commercial salt, deicing salt, pharmaceutical salt...
Company:	Salinen Austria AG, 4802 Ebensee am Traunsee + 43 (0) 6132 200 -0 + 43 (0) 6132 200 -4100 Fax info@salinen.com
Emergency telephone:	+ 43 (0) 6132 200 -0 + 43 (0) 6132 200 – 2124 (off the job)
Poison control centre (Austria):	+ 43 (0) 01 4064343

2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008:
For food and feeding salt: (article 1 paragraph 5 lit. e)
The substance is not classified according the CLP regulation.

For deicing- industrial- and commercial salt: (Title II, chapter 1, article 5 ff)
After identification, examination of available information on substances:
The substance is not classified according the CLP regulation.

Hazard pictograms: *not applicable*
Signal word: *not applicable*
Hazard note: *not applicable*

Results of PBT- and vPvB-assessment
PBT: *not applicable.*
vPvB: *not applicable.*

3. Composition/Information on ingredients

Synonyms	vaccum salt
CAS-No.:	7647-14-5
EC-No:	231-598-3
Molar mass:	58.44 g/mol
Chemical formula:	NaCl

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4. First aid measures

General:	no special arrangements necessary
After inhalation:	fresh air
After skin contact:	wash off with water; in case of continuing pain turn to doctor
After eye contact:	rinse out with plenty of water with the eyelid held wide open; case of continuing pain consult doctor
After swallowing:	rinse mouth with water and make victim drink water; case of continuing pain consult doctor

5. Fire-fighting measures

Suitable extinguishing agents:	Use fire extinguishing methods suitable to surrounding conditions
Special protective equipment:	Wear self-contained respiratory protective device
Special risks:	non-combustible

6. Accidental release measures

Person-related precautionary measures:	avoid generation of dusts, do not inhale dusts
Environmental-protection measures:	do not allow to enter sewerage system
Procedures for cleaning:	clean up dry and dispose according to regulation

7. Handling and storage

Handling:	no further requirements
Storage:	tightly closed and dry
Storage class:	10-13 other liquids and solids

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8. Exposure controls / personal protection

Ingredients with limit values that require monitoring at the workplace: not required

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on contraction and quantity of hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated

Eye protection: required

Hand protection: required. The glove material has to be impermeable and resistant to the product/ the Substance / the preparation

Personal protection: protection clothes

Industrial hygiene: change contaminated clothing. Wash hands after working with substance

9. Physical and chemical properties

Form:	solid
Colour:	colourless
Odour:	odourless
pH –value (at 100g/l 20°C):	4,5-7
Melting point :	801°C
Boiling point:	1461°C
Ignition point:	not applicable
Flash point:	not applicable
Flammability:	substance is not flammable
Explosion limits:	substance is not explosive
Vapour pressure at 865°C:	1,3 hPa
Density at 20°C	2,16 g/cm ³
Bulk density at 20°C:	~ 1140 kg/m ³
Solubility in water at 20°C:	358 g/l

10. Stability and reactivity

Conditions to be avoided: no information available

Substances to be avoided: exothermic reaction with alkali metals

Dangerous reactions: no information available

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11. Toxikological information

Acute toxicity

LD₅₀ (dermal, rabbit): > 10000 mg/kg

LD₅₀ (oral, rat): 3000 mg/kg

Specific symptoms in animal studies: eye irritation test (rabbit): slight irritations

Subacute to chronic toxicity

Noncarcinogenic and no mutagenic in animal experiments; bacterial mutagenicity: Ames-test negative; mutagenicity (mammal cell test): mikronucleus negative; no impairment of reproductive performance suspected; no teratogenic effect in animal testings

Further toxicological information

After eye contact: slight irritations

After swallowing of large amounts: nausea, vomiting

No toxic effects are to be expected when the product is handled appropriately

The substance is not subject to classification according to the latest version of the EU lists

12. Ecological Information

Biologic degradation:

methods for the determination of biodegradability are not applicable to inorganic substances

Behavior in environmental compartments:*)

concentration in organisms is not to be expected due to solubility in water

Ecotoxic effects:

Fish toxicity:

Pimephales promelas LC₅₀ 7650 mg/l /96 h

Daphnia toxicity:

Daphnia magna EC₅₀ 1000 mg/l /48 h

Water hazard class 1 (German regulation, Assessment by list):

slightly hazardous for water

Further ecological information:

do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

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13. Disposal considerations

Product: Chemicals must be disposed of in compliance with the respective national regulations.

Packaging: Packaging material must be disposed of in compliance with the respective national regulations.

14. Transport information

No subject to transport regulations

15. Regulatory information *)

Classification according to Regulation (EC) No.1272/2008 *The substance is not classified according the CLP regulation.*

Water hazard class 1 (German regulation, Assessment by list): slightly hazardous for water

Storage class VCI 10 - 13

16. Further Information

Reason for alteration: Update of use of substance