

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH),
(EC) No. 453/2010 (REACH), (EG) Nr. 830/2015,
(EC) No. 1272/2008 (CLP) and (EU) 2020/878 (REACH)



Sodium chloride

Version: 03
Date of issue: 08.05.2023
Replaces version from: 27.04.2023

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

1.1 Product identifier

Article	Sodium Chloride
CAS-No.	7647-14-5
Registration number	not applicable

1.2 Relevant identified uses of the substances and uses advises against

Use of the substance:	Edible salt, feeding salt, commercial salt, de-icing salt, pharmaceutical salt, cosmetical applications...
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1.3 Details of the supplier of the safety data sheet

Company:	Salinen Austria AG Steinkogelstrasse 30 4802 Ebensee am Traunsee + 43 (0) 6132 200 -0 + 43 (0) 6132 200 -4100 Fax info@salinen.com
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1.4 Emergency telephone number

+ 43 (0) 6132 200 -0
+ 43 (0) 6132 200 – 2124 (off the job)

Poison control centre (Austria):	+ 43 (0) 01 4064343
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2. Hazards identification

2.1 Classification of the substance or mixture

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.

2.2 Label elements

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

2.3 Other hazards

Results of PBT- and vPvB-assessment

PBT: *not applicable.*

vPvB: *not applicable.*

Endocrine disrupting properties: *no damaging properties according (EU) 2017/2100 or (EU) 2018/605*

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3. Composition/Information on ingredients

3.1 Substances

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

3.2 Mixtures

Not applicable

4. First aid measures

4.1 Description of 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; in case of continuing pain consult doctor
After swallowing: rinse mouth with water and make victim drink water; in case of continuing pain consult doctor

4.2 Most important symptoms and effects, both acute and delayed

Nausea

4.3 Indication of any immediate medical attention and special treatment needed

No information available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions

5.2 Special hazards arising from the substance or mixture

Non-combustible
Due to ambient fire, hazardous vapors are possible
In case of fire, hydrogen chloride gas can be released

5.3 Advice for firefighters

Special protective equipment: Wear self-contained respiratory protective device
Special risks: non-combustible

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dusts, do not inhale dusts

6.2 Environmental precautions

Do not allow to enter sewerage system

6.3 Methods and material for containment and cleaning up

Clean up dry and dispose according to regulation

Avoid generation of dusts

6.4 Reference to other sections

Note for disposal see section 13

7. Handling and storage

7.1 Precautions for safe handling

No further requirements

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: tightly closed and dry

Storage class: 10-13 other liquids and solids

7.3 specific end use(s)

See section 1, pt 2

8. Exposure controls / personal protection

8.1 Control parameters

No ingredients with limit values

8.2 Exposure controls

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

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9. Physical and chemical properties

9.1 Information on basic 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

9.2 Other information

No other information

10. Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Under normal environmental conditions this product is chemically stable

10.3 Possibility of hazardous reactions

Exothermic reaction with alkali metals

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available

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11. Toxikological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

Skin corrosion/irritation

No skin irritation

Serious eye damage/irritation

No eye irritation

Respiratory or skin sensitisation

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

No cancerogenic effects in animal experiments

Reproductive toxicity

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

11.2 Information on other hazard

Endocrine disrupting properties

not listed

Other informations

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

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12. Ecological Information

12.1 Toxicity

Fish toxicity: Pimephales promelas LC50 7650 mg/l /96 h
Daphnia toxicity: Daphnia magna EC50 1000 mg/l /48 h

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

Behavior in environmental compartments:
Concentration in organisms is not to be expected due to solubility in water

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

See pt. 2.3

12.6 Endocrine disrupting properties

No information available

12.7 Other adverse effects

Water hazard class 1 (German regulation, Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

13. Disposal considerations

13.1 Waste treatment methods

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

14.1 – 14.6 Transport regulations

No subject to transport regulations

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2 Chemical safety assessment

No safety assessment available for this product

16. Further Information

Reason for alteration

Update according (EU) 2020/878 / use of substance