

Safety Data Sheet

Sodium Chloride

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 3/10/2021 Revision date: 5/24/2024 Supersedes version of: 2/20/2023 Version: 1.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Substance name : Sodium Chloride
EC-No. : 231-598-3
CAS-No. : 7647-14-5
Formula : NaCl
Synonyms : Seasalt, Mixed salt, Industry salt/feed salt, Common salt, Suprasel, PDV, Refined salt, Salco, Soft broxo, Soft-sel, Norsal, Stradasalt, Road salt, Salt tablets, Granular salt, Compact salt, Rock salt, Food grade salt, Vacuumsalt, Axal, Soft filtersalt, Circular salt

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Main use category : Professional use, Consumer use
Use of the substance/mixture : General use

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GC Rieber Salt AS
Cort Adellers gate 17
0254 Oslo - Norway
T +47 23 03 50 90
salt@gcrieber.com - www.gcrieber-salt.no

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182 +44 191 2606180	Hours of operation: 24hrs

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	Conc. (% w/w)
Sodium Chloride	(CAS-No.) 7647-14-5 (EC-No.) 231-598-3	> 97

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: No specific first aid measures noted. Allow the patient to rest.
First-aid measures after skin contact	: No specific first aid measures noted. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: No specific first aid measures noted. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: No specific symptoms noted.
Symptoms/effects after ingestion	: Ingestion of large amounts may cause discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable according to national regulations concerning flammable goods.
Hazardous decomposition products in case of fire	: Irritating gases/vapours/fumes.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Wear fire/flamm resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Avoid dust formation. Do not breathe dust. Avoid contact with eyes.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate area.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup and emergency crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

For further information refer to section 13. See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Do not breathe dust.
- Hygiene measures : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool. Store in a dry place. Protect from moisture.
- Incompatible materials : Refer to Section 10 on Incompatible Materials.

7.3. Specific end use(s)

No specific recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Sodium Chloride (7647-14-5)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	295.52 mg/kg bodyweight/day
Acute - systemic effects, inhalation	2068.62 mg/kg bw/day
Long-term - systemic effects, dermal	295.52 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2068.62 mg/kg bw/day
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	126.65 mg/kg bodyweight
Acute - systemic effects, inhalation	443.28 mg/kg bodyweight/day
Acute - systemic effects, oral	126.65 mg/kg bodyweight
Long-term - systemic effects, oral	126.65 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	443.28 mg/kg bw/day
Long-term - systemic effects, dermal	126.65 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	5 mg/l
PNEC (Soil)	
PNEC soil	4.86 mg/kg dwt

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PNEC (STP)	
PNEC sewage treatment plant	500 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:



8.2.2.1. Eye and face protection

Eye protection:

In case of dust production: protective goggles. STANDARD EN 166:2001

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. Dust-tight suit

Hand protection:

Wear appropriate work gloves for protection against mechanical irritation. (STANDARD EN 420:2003 / EN 388:2003 / EN 388:2016)

8.2.2.3. Respiratory protection

Respiratory protection:

Dust production: dust mask with filter type P2. Standard EN 143:2021

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Colourless.
Appearance	: Crystals.
Odour	: none to slight.
Odour threshold	: Not determined.
Melting point	: 801 °C
Freezing point	: Not relevant.
Boiling point	: 1413 – 1465 °C
Flammability	: Non flammable.
Explosive properties	: Not explosive.
Oxidising properties	: Non flammable.
Explosive limits	: Not relevant.
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: Not relevant.
Auto-ignition temperature	: Not self-igniting.
Decomposition temperature	: Not available
pH	: 5 – 8
pH solution	: Not available

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Viscosity, kinematic	: Not applicable
Solubility	: Soluble in water. Water: 310 – 360 g/l (at 20°C)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 0.01 Pa (740°C)
Vapour pressure at 50°C	: Not available
Density	: 2162 kg/m ³
Relative density	: Not available
Relative vapour density at 20°C	: Not relevant.
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: Not relevant.
Additional information	: None to our knowledge.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

Do not store in humid or high humidity areas.

10.5. Incompatible materials

Acids. Oxidising material. Alkali metals.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Sodium Chloride (7647-14-5)	
LD50 oral rat	> 3000 mg/kg
LD50 dermal rat	10000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met) pH: 5 – 8
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Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met) pH: 5 – 8
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
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11.2.2 Other information

Potential adverse human health effects and symptoms	: No information.
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Sodium Chloride (7647-14-5)	
LC50 - Fish [1]	5840 mg/l (96 hours - Lepomis macrochirus)
EC50 - Crustacea [1]	4136 mg/l (48 hours - Daphnia magna)
LOEC (chronic)	441 mg/l (OECD 211 method)
NOEC chronic fish	4000 mg/l (96 hours - Pimephales promelas)
NOEC chronic crustacea	314 (OECD 211 method)

12.2. Persistence and degradability

Sodium Chloride (7647-14-5)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Sodium Chloride (7647-14-5)	
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

Sodium Chloride (7647-14-5)	
Ecology - soil	Adsorbs into the soil. Mixable with water.

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12.5. Results of PBT and vPvB assessment

Sodium Chloride (7647-14-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Based on available data, the classification criteria are not met

12.7. Other adverse effects

Other adverse effects : None to our knowledge.
Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID /

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Not listed on REACH Annex XVII

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)

15.1.2. National regulations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.