



SAFETY DATA SHEET SODIUM CHLORIDE

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

1.1. Product identifier

| | |
|---------------------------------|---|
| Product name | SODIUM CHLORIDE |
| Product number | 20327 |
| Synonyms; trade names | SALT, ROCK SALT, SALT PDV, SEA SALT, SANAL P, SUPERSEL GRADES, SALT TABLETS, BROXO 16-15, ROCK SALT WHITE, SNOW CLEAR, ROCK SALT WHITE, SALT MICROFINE, SALT AQUA DUXION 15/25, SALT BROXO 6-15, SALT WATERSOFT REGESAL GRAN, NATRIUMKLORID VACUUM COMPACTED 6-1, SALT IND K1.4-0.4, SALT BROXETTEN, SODIUM CHLORIDE (PDV) INDUSTRIAL, SEL ADOU. D'EAU AXAL PRO, SODIUM CHLORIDE (PDV) FCC ED.7, SODIUM CHLORIDE (PDV) ESCO, SALT HYDROSOFT GRAN, SALT REGENIT TABLETS, SALT IND REF STD, SUPERFINE S, SALT TABLETS CLARAMAT, SALT INDUSTRIAL K 3.2/1.5, GRITTING SALT, SOD CHLORIDE VACUUM FG ALA, AQUASOL, MARINA PLUS SALT TAB ESCO53758, SALT GRANULAR HYDROSOFT, SALT PDV IND, SALT WATERSOFTENER K 18-5, SUPRASEL MICROZO PDV, SOD CHLORIDE SUPRASEL PDV, DEAD SEA SALT MPSC2, COMPACT SALT 6/15, SALT IND K0,7/0,16 O&G, MEDIO SEA SALT, SOD CHLORIDE PDV DENDRITIC, SALT TABLETS, FINE/THIN DRY PURIFIED SALT |
| REACH registration notes | Substances contained in this product that are not classified as hazardous have been/will be registered for REACH at the appropriate time. |
| CAS number | 7647-14-5 |
| EC number | 231-598-3 |

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

Identified uses Industrial application

1.3. Details of the supplier of the safety data sheet

Supplier

Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 20327

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

SODIUM CHLORIDE

| | |
|-----------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

| | |
|-------------------|-------------------|
| EC number | 231-598-3 |
| Hazard statements | NC Not Classified |

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

| | |
|--------------------------|---|
| Product name | SODIUM CHLORIDE |
| REACH registration notes | Substances contained in this product that are not classified as hazardous have been/will be registered for REACH at the appropriate time. |
| CAS number | 7647-14-5 |
| EC number | 231-598-3 |
| Composition comments | The data shown are in accordance with the latest EC Directives. |

3.2. Mixtures

| | |
|---------------|-----------------|
| Chemical Name | Sodium chloride |
|---------------|-----------------|

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

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

| | |
|-------------|-------------------------------------|
| Eye contact | May cause temporary eye irritation. |
|-------------|-------------------------------------|

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

| | |
|----------------------|---|
| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Irritating gases or vapours.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Follow precautions for safe handling described in this safety data sheet. Provide adequate ventilation. Avoid inhalation of dust. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



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|---|---|
| Appropriate engineering controls | Provide adequate ventilation. |
| Eye/face protection | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166. |
| Hand protection | The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. |
| Other skin and body protection | Wear suitable protective clothing as protection against splashing or contamination. |
| Hygiene measures | Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Eye wash facilities and emergency shower must be available when handling this product. |
| Respiratory protection | No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . Wear a respirator fitted with the following cartridge: Particulate filter, type P2. EN 136/140/145/143/149 |

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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|---|--|
| Appearance | Crystalline powder. Solid Crystalline solid. Granules. |
| Colour | Various colours. |
| Odour | No information available. |
| Odour threshold | No information available. |
| pH | pH (concentrated solution): 7.5 |
| Melting point | 801 - 802°C |
| Initial boiling point and range | 1413 - 1465°C |
| Flash point | No information available. |
| Evaporation rate | No information available. |
| Evaporation factor | No information available. |
| Flammability (solid, gas) | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Other flammability | No information available. |
| Vapour pressure | 2.4 mm Hg |
| Vapour density | No information available. |
| Relative density | 2,165 - 2,170 |
| Bulk density | No information available. |
| Solubility(ies) | Soluble in water. |

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| | |
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| Species | Rat |
| ATE oral (mg/kg) | 3,000.0 |
| <u>Acute toxicity - dermal</u> | |
| Notes (dermal LD₅₀) | No information available. |
| <u>Acute toxicity - inhalation</u> | |
| Notes (inhalation LC₅₀) | No information available. |
| <u>Skin corrosion/irritation</u> | |
| Animal data | No information available. |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | No information available. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | No information available. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | No information available. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | No information available. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | No information available. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | No information available. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | No information available. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | No information available. |
| Inhalation | Dust in high concentrations may irritate the respiratory system. |
| Ingestion | No harmful effects expected from quantities likely to be ingested by accident. |
| Skin contact | Skin irritation should not occur when used as recommended. |
| Eye contact | Particles in the eyes may cause irritation and smarting. |

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Acute toxicity - fish LC₅₀, 96 hours: 6750 mg/l, Fish
 LC₅₀, 96 hour: 5840 mg/l, Lepomis macrochirus (Bluegill)
 OECD 203
 LC₅₀, 96 hour: 10610 mg/l, Pimephales promelas (Fat-head Minnow)
 OECD 203

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Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2024 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 3014 mg/l, Algae

Acute toxicity - microorganisms IC₅₀, : > 1000 mg/l, Activated sludge
OECD 209

12.2. Persistence and degradability

Persistence and degradability The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient : -3.0

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

Canada - DSL/NDSL

DSL

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 Kow: Octanol-water partition coefficient.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 BCF: Bioconcentration Factor.
 BOD: Biochemical Oxygen Demand.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Level.
 NOEC: No Observed Effect Concentration.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 EL50: Exposure Limit 50
 hPa: Hectopascal
 LL50: Lethal Loading fifty
 OECD: Organisation for Economic Co-operation and Development
 POW: Octanol-water partition coefficient
 SCBA: self-contained breathing apparatus
 STP: Sewage Treatment Plant
 VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

08/08/2017

Revision

11

Supersedes date

20/04/2017

SDS number

20327

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| Version number | 2.000 |
| SDS status | Approved. |
| Signature | Lisa Bland |