

Safety data sheet



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

- 1.1. Product identifier**
Substance / mixture Industrial sodium chloride, tablets
Number 31060352000
Chemical name natrii chloridum
CAS number 7647-14-5
EC (EINECS) number 231-598-3
Other substance name
sůl
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Substance's intended use
Regeneration of ion exchangers For industrial application
Substance uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name OQEMA, s.r.o.
Address Těšínská 222, Šenov, 73934
Czech Republic
Identification number (CRN) 63988186
VAT Reg No CZ63988186
Phone +420 597 485 910
E-mail oqema.cz@oqema.com
Web address www.oqema.cz
- Competent person responsible for the safety data sheet**
Name Zuzana Germanová
E-mail zuzana.germanova@oqema.com
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the substance in accordance with Regulation (EC) No 1272/2008
The substance is not classified as dangerous according to Regulation (EC) No 1272/2008.
Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
none
- 2.3. Other hazards**
Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. The substance have not endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

- 3.1. Substances**
Chemical characterization
Substance

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 7647-14-5 EC: 231-598-3	substance main component natrii chloridum	>97	not classified as dangerous	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). In all cases keep patient warm and at rest. First aid personnel should pay attention to their own safety. Apneusis: start immediately with artificial respiration. Cardiac arrest: start immediately with cardiac massage. Insensibility: patient should be positioned and transported on his side.

If inhaled

Move victim to fresh air.

If on skin

Remove contaminated clothes. Wash affected area with plenty of water and soap.

If in eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

If swallowed

Rinse mouth thoroughly with water. Give 0,5 l of tepid water to drink.

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

If inhaled

Inhalation of dust may cause irritation of the respiratory system.

If on skin

It can irritate wounded skin.

If in eyes

Dusts may be irritating to the eyes.

If swallowed

Digestive difficulties may arise after ingestion of several grams.

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

No symptoms are known yet. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, foam, extinguishing powder, CO₂. Accommodate extinguishing components to the location of fire. Product is non-flammable.

Unsuitable extinguishing media

Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2. Special hazards arising from the substance or mixture

Avoid breathing the fumes. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Do not enter fire area without appropriate protective clothing and self-contained breathing apparatus. Isolate from fire, if possible, without unnecessary risk. Isolate the danger zone and prevent access to unauthorised persons.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Avoid the spreading of the product. Avoid raising dust. Do not breathe dust. Provide adequate ventilation of closed areas.

6.2. Environmental precautions

Avoid excessive contamination of water and soil, in the case of leakage of large quantities of a substance into surface or sewage water inform the relevant authorities.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid raising dust. Collect in the appropriate designated containers for recovery or disposal. Hose the polluted area with water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure thorough ventilation of store and work areas. Avoid generating dusty conditions. Do not eat, drink or smoke during the work and observe the personal hygiene principles. Wear personal protection equipment (see also section 8). Do not breathe dust. Avoid uncontrolled leakage of the product into the environment

7.2. Conditions for safe storage, including any incompatibilities

Store at clean, dry and well ventilated place. Keep in tightly closed containers. Protect from humidity. Do not store together with food, drink and animal feed.

The specific requirements or rules relating to the substance/mixture

Store and handle in accordance with all normal regulations and standards applicable to bulk materials.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information of limit values

The maximum allowable workplace concentrations for respirable and inhalable dusts are to be observed.

8.2. Exposure controls

Minimize dust formation. Ensure thorough ventilation of store and work areas. Do not eat, drink or smoke during the work. Wash hands with water and soap after work and use hand cream. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. If ventilation is insufficient, local exhaust of the working place must be ensured.

Eye/face protection

Safety glasses (EN 166) if there is a risk of eye contact.

Skin protection

When handling in long-term or repeatedly, use protective gloves. Protective gloves (EN 374). The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. In the case of wanting to use the gloves again, clean them before taking off and air them well. Body protection: Protective work clothing and footwear. Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

Respiratory protection

Use a dust respirator if dust occurs. In the event of an accident, fire or high concentration, use self-contained breathing apparatus.

Thermal hazard

not available

Environmental exposure controls

Observe principles for safe handling and storage. Protect from accidental release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	odourless without fragrance
Melting point/freezing point	801 °C
Boiling point or initial boiling point and boiling range	1413 °C
Flammability	non-flammable
Lower and upper explosion limit	not applicable
Flash point	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	data not available
pH	7.5-8.5 (10% solution)
Kinematic viscosity	data not available
Solubility in water	360 g / L
Partition coefficient n-octanol/water (log value)	not applicable
Vapour pressure	18.1 hPa at 20 °C
Density and/or relative density	

Relative vapour density	data not available
Particle characteristics	data not available
Form	solid: tabs / tablets, solid, tablets
9.2. Other information	
Oxidising properties	not oxidizing
Molar weight	58.443 g/mol
Summary formula	NaCl

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is non-flammable.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction known. When used in the standard way, there is not any dangerous reaction with other substances.

10.4. Conditions to avoid

Avoid the following conditions: humidity.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition product known.

SECTION 11: Toxicological information

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

See below

Acute toxicity

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met. LD50, oral: rat = 3000 mg / kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data, the classification criteria are not met. Based on available data the classification criteria are not met.

Aspiration hazard

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

not available

SECTION 12: Ecological information

12.1. Toxicity

Product is not classified as hazardous for environment. Toxicity to fish: LC50: 5 - 15 g / l Toxicity to invertebrates: No data available. Toxicity to algae: IC50: 4 - 15.3 g / l

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7. Other adverse effects

Ecological injuries are not known or expected under normal use. The inhibition of the degradation activity of activated sludge is possible when introduced to biological treatment plants in high concentrations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The spilled product should be vacuumed, swept or rinsed with water. The substance is used as a thawing agent for winter road maintenance. Sweep up the material and dispose of in accordance with waste regulations. Collect it into lockable container. This product is not considered as a hazardous waste. Suitable cleaning agents: Water (with cleaning agent). The product must be handled in compliance with the valid legal regulations governing the disposal of waste as well as with other environmental regulations. The assigning of waste code numbers/waste identifications must be carried out according to EAKV (European Waste Catalogue Order) in an industry and process-specific manner. Classification according to the Waste Catalogue should be based on the characteristics of the waste at the time of its creation. Nonreturnable packaging. Empty packaging can be passed on for recycling after being thoroughly cleaned. Used packaging must be treated as category O waste.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

01 04 11 wastes from potash and rock salt processing other than those mentioned in 01 04 07

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

Not hazardous for the environment.

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th 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, as amended.

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Other important information about human health protection

not available

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
log K _{ow}	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Training guidelines

Instructions in writing regarding the product handling must be available at workplace.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

Update according to Commission Regulation (EU) No 2020/878.

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Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.
