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

### 1.1. Product identifier

#### Sodium chloride (CAS no: 7647-14-5, EC no: 231-598-3)

**Synonyms:** Vacuum brewed (wet, dry) salt, food grade salt, iodized food grade salt, food grade salt without antacid, cooking salt, iodized cooking salt, table salt, feed grade salt, industrial salt, sodium chloride - nitrite curing salt, peclosalt, salt, salt tablets for water softening systems, salt granules for dishwashers, winter sidewalk salt, dry sodium chloride, wet sodium chloride, wet sodium chloride - grade II, food grade sodium chloride, iodized food grade sodium chloride, food grade sodium chloride, without anti-caking agent, dry sodium chloride without anti-caking agent/anti-caking agent, sodium chloride - feed material, sodium chloride - salt granules.

**Relevant registration number: The substance is not subject to registration according to paragraph 7 of Annex V of REACH.**

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

**Identified uses:** depending on the type of product - food, meat processing, feed, chemical and detergent industries, as an ingredient in cosmetic products, in tanning, in water softening systems, for de-icing sidewalks.

Some uses of this substance may be regulated or restricted by national or international standards. The buyer and eventual user shall, under their sole and entire responsibility, comply with these standards, the orders of the relevant authorities, and all existing patents and intellectual property rights; they shall comply with laws and regulations applicable to our products and/or their operations. The buyer and eventual user must independently determine the suitability of the product for the specific purpose and use.

**Uses advised against:** Not specified.


### 1.3. Details of the supplier of the safety data sheet

**Manufacturer:** QEMETICA Soda Polska S.A.  
**Address:** street Fabryczna 4, 88-101 Inowrocław  
**Phone:** +48 52 354 15 00

**Distributor:** QEMETICA S.A.  
**Address:** ul. Wspólna 62, 00-684 Warszawa  
**Phone:** + 48 52 354 17 72

**E-mail address** of the competent person responsible for the safety data sheet:  
[sds@qemetica.com](mailto:sds@qemetica.com)

### 1.4. Emergency telephone number 112 (Emergency)

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## SECTION 2: Hazards identification

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### 2.1. Classification of the substance or mixture

#### Classification according to Regulation 1272/2008/EC:

Does not meet the criteria of classification.

### 2.2. Label elements

#### Label accordance with Regulation 1272/2008/EC (CLP)

**Hazard pictograms and signal word:** None.

**Hazard statements:** None.

**Precautionary statements:** None.

### 2.3. Other hazards

Potential hazard is present at workplaces: possibility of salt dust release, which threatens to exceed the MRL specified for non-toxic dusts (see section 8.1).

The substance does not meet the PBT and vPvB criteria. The criteria described in Annex XIII to the REACH regulation (PBT and vPvB properties) do not apply to inorganic substances.

The substance is not included in the list established in accordance with Article 59 (1) of REACH as having endocrine disrupting properties. The substance does not meet the criteria for endocrine disrupting properties as defined in Commission Regulation (EU) 2017/2100 (OJ EU L 301, 17.11.2017, as amended) and Commission Regulation (EU) 2018/605 (OJ EU L 101, 20.04.2018, as amended).

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## SECTION 3: Composition/information on ingredients

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### 3.1. Substances

<b>Substance name:</b>	<b>Sodium chloride</b>
<b>Concentration [%]:</b>	>98,4
<b>CAS Number:</b>	7647-14-5
<b>EC Number:</b>	231-598-3
<b>Index Number:</b>	-
<b>Classification 1272/2008/EC:</b>	None

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

**Inhalation:** Move the affected person to fresh air and keep rested. Seek medical advice if necessary.

**Skin contact:** Immediately remove contaminated clothing. Flush contaminated skin with plenty of water and soap, then rinse with plenty of water. Seek medical advice if necessary.

**Eye contact:** Remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Avoid strong stream of water due to the risk of mechanical damage to the cornea. The use of fixed or portable eyewashers is recommended. Seek medical advice if necessary.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, and then drink plenty of water. Seek medical advice if necessary.

**Emergency responders** should use appropriate personal protective equipment (see section 8.2.2.), provide adequate general and local ventilation, avoid direct contact with the substance, avoid inhaling dust.

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

**Inhalation:** Salt dust may cause slight irritation of the respiratory tract and mucous membranes of nose and throat.

**Eye contact:** Causes irritation, redness, tearing.

**Skin contact:** May cause slight redness, irritation.

**Ingestion:** After ingestion of larger amounts there are nausea and/or vomiting.

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

Remove affected person from the contaminated product of the environment. In the event of health problems, consult your doctor or the center of toxicological concern. Provide the information contained in the SDS. If unconscious, do not give anything by mouth.

## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media


**Suitable extinguishing media:** Extinguishing media suitable to the burning media in the surrounding should be applied.

**Unsuitable extinguishing media:** Water jet.

### 5.2. Special hazards arising from the substance or mixture

Non-flammable substance.

In case of fire hazardous products may be formed: sodium oxide and hydrogen chloride gas. Avoid inhalation of combustion or decomposition products because they may pose a health risk.

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### 5.3. Advice for firefighters

Wear full protective equipment and self-contained breathing apparatus with independent air circulation. Containers exposed to fire or high temperature cool with water and if possible remove from the danger zone. Take up mechanically. Protect drains, surface waters and soil from pollution. Water from fire treated as hazardous pollution and accumulate in separate containers.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Access of non-emergency personnel to the area of accident should be restricted until the completion of the disposal of the product. Wear appropriate personal protective equipment. Do not drink, eat and smoke. Provide adequate local and general ventilation. Avoid direct contact with the substance. Avoid inhalation of dust.

**For emergency responders:** Wear appropriate personal protective equipment. Do not drink, eat and smoke. Provide adequate local and general ventilation. Avoid direct contact with the substance. Avoid inhalation of dust.

### 6.2. Environmental precautions

Secure the gullies. Prevent contamination of surface water and ground. In the event of any serious pollution of the environment, notify the appropriate administrative authority, control and rescue services.

### 6.3. Methods and material for containment and cleaning up

Secure the gullies. Secure damaged packaging. Collect the spilled substance mechanically avoiding the formation of dust, transfer to a tightly sealed containers and direct to the destruction or re-use. Flush contaminated area with plenty of water.

### 6.4. Reference to other sections


Disposal - see Section 13. Personal protective equipment - see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not allow the workplace environment to exceed the normative concentrations of hazardous components. Provide adequate general and local exhaust ventilation. It is recommended to equip workplaces with a shower and an eye wash station. Use of fixed (EN 15154-2:2006) or portable (EN 15154-4:2009) eye washers is recommended. Prevent from entering the sewage system, surface and ground water and soil. Prevent the use of mutually incompatible materials (see section 10.5).

General occupational hygiene regulations apply. Do not eat, drink, take medicine or smoke while performing any activities with the substance. Avoid contact with eyes and skin. Avoid inhalation of dust. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands and face before breaks and after working with the product. Wash

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body surface and personal protective equipment after use. Change and clean contaminated clothing before reuse.

Use the protective measures listed in section 8.2.2.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep in properly labelled, factory tightly sealed containers, with a label which complies with current regulations. Store in cool, dry (humidity below 75 %), and well-ventilated storage room. Protect against moisture (substance may be lumpy). Avoid contact with acids, alkali metals and strong oxidants. Corrosive to metals in the aquatic environment.

### 7.3. Specific end use(s)

See in section 1.2.

Follow the instructions given in this SDS.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Substance name	TWA	STEL	BLV
<b>Dusts</b>	10 mg/m <sup>3</sup> (inhalable fraction) 4 mg/m <sup>3</sup> (respirable dust)	-	-

**Legal basis:** Ordinance on maximum permissible concentration and intensity of harmful factors in the work environment in accordance with national limit values. EH40/2005 Workplace exposure limits, fourth edition, published 2020, ISBN 978 0 7176 6733 8.

### Monitoring procedures:

Use methods described in European Standards. A chemical safety report is not required.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate precautions for use and storage of the product are given in Section 7.


#### 8.2.2. Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear suitable protective glasses of goggles type, e.g. made of polycarbonate (EN 166).

**Skin Protection:** In industrial usage wear protective clothing made of natural materials (cotton) or synthetic fibers and gloves (glove materials: nitrile-, butyl-, neoprene-rubber or PVC); glove thickness: 0.5 mm, break through time: ≥ 480 min (EN 374).

**Respiratory protection:** In the case of high concentrations of dust, use respiratory equipment with particle filter color-coded white and the P symbol (EN 149).

**Thermal Hazards:** Not required.

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The individual protective equipment used should meet the requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of March 9, 2016 on individual protective equipment and repealing Council Directive 89/686/EEC (Official Journal of the EU L 81 of 31.03.2016). The employer is obliged to provide individual protective equipment appropriate to the work performed and meeting all requirements, including their maintenance and cleaning.

Concentrations of hazardous substances in the workplace should be monitored in accordance with acknowledged test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

### 8.2.3. Environmental exposure controls

Do not introduce the product to ground water, sewage, waste water or soil.


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## SECTION 9: Physical and chemical properties

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### 9.1. Information on basic physical and chemical properties

<b>Physical state:</b>	Solid - fine crystalline product (salt), round tablets (salt tablets), granules (salt granules)
<b>Colour:</b>	White, excluding products: Salt granules - white or slightly gray Winter salt for sidewalks - white with an acceptable gray tint
<b>Odour:</b>	No foreign odor.
<b>Melting point/freezing point:</b>	801°C
<b>Boiling point or initial boiling point and boiling range:</b>	According to Annex VII (Section 7.3) of REACH, the test does not need to be performed because the melting point of sodium chloride is higher than 300°C.
<b>Flammability:</b>	The substance is non-flammable.
<b>Lower and upper explosion limit:</b>	According to Annex VII (section 7.11) of REACH, the test does not need to be performed. The substance does not pose an explosive hazard, as there are no chemical groups in the structure associated with explosive properties.
<b>Flash point:</b>	According to Annex VII (section 7.9) of REACH, the test does not need to be performed because sodium chloride is an inorganic substance. The product is not self-igniting.
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	5,5-8,5 (1% aqueous solution; 25°C)
<b>pH:</b>	Not applicable (solid substance).
<b>Kinematic viscosity:</b>	In the water: 358 g/l (20°C)
<b>Solubility:</b>	In ethanol: 0,51 g/l (25°C)

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**Partition coefficient n-octanol/water (log value):**

According to Annex VII (section 7.8) of REACH, the test does not need to be performed because sodium chloride is an inorganic substance

**Vapour pressure:**

According to Annex VII (Section 7.5) of REACH, the test does not need to be performed because the melting point of sodium chloride is higher than 300°C. Sodium chloride is an inorganic salt, so the vapor pressure value can be considered negligible

**Density and/or relative density:**

Relative density: 2,17 g/cm<sup>3</sup> (20°C)

**Relative vapour density:**

Not applicable (solid substance)

**Particle characteristics**

Typical values (sieve analysis)

≤5% >0,63mm

≥90% >0,2mm

≤5% <0,063mm

**9.2. Other information**

**9.2.1. Information with regard to physical hazard classes**

Not applicable.

**9.2.2. Other safety characteristics**

In aqueous solutions, it has a strong corrosive effect on most metals.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Under conditions of storage and handling as intended - no reactivity. Hygroscopic substance.

**10.2. Chemical stability**

Stable under normal conditions of use and storage. A hygroscopic substance.

**10.3. Possibility of hazardous reactions**

Not known.

**10.4. Conditions to avoid**


Moisture (substance may crumble). Incompatible materials are listed in section 10.5.

**10.5. Incompatible materials**

Acids, alkali metals and strong oxidants. Corrosive to metals in the aquatic environment.

**10.6. Hazardous decomposition products**

Vapors of hydrogen chloride and sodium oxide are generated after heating to the decomposition temperature.

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## SECTION 11: Toxicological information

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

**Acute toxicity:**

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

**Oral:**

LD<sub>50</sub> (rat) 3000 mg/kg b.w. (Toxicology and Applied Pharmacology, 1971)

LD<sub>50</sub> (mouse) 4000 mg/kg b.w. (Farmaco, 1972)

**Dermal:**

LD<sub>50</sub> (rabbit) >10000 mg/kg b.w. (BIOFAX Industrial Bio-Test Laboratories, 1971)

**Inhalation:**

LC<sub>50</sub> (rat) >42000 mg/m<sup>3</sup> air/1h (BIOFAX Industrial Bio-Test Laboratories, 1971)

**Skin corrosion/irritation:**

May cause irritation after prolonged contact. Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

May cause eye irritation. Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**

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

**Germ cell mutagenicity:**

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

**Carcinogenicity:**

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

**Reproductive toxicity:**

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

**STOT (specific target organ toxicity) – single exposure:**

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

**STOT (specific target organ toxicity) – repeated exposure:**


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

**Aspiration hazard:**

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

**The health effects of exposure are given in section 4.2.**

### 11.2. Information on other hazards.

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### 11.2.1 Endocrine disrupting properties.

The substance is not included in the list established in accordance with Article 59 (1) of REACH as having endocrine disrupting properties. The substance does not meet the criteria for endocrine disrupting properties set forth in Commission Regulation (EU) 2017/2100 (OJ EU L 301, 17.11.2017, as amended) and Commission Regulation (EU) 2018/605 (OJ EU L 101, 20.04.2018, as amended).

## SECTION 12: Ecological information

### 12.1. Toxicity

It has harmful effects on vegetation growth, plankton and fish life.

#### Acute toxicity to fish

LC<sub>50</sub> (*Lepomis macrochirus*) 5840 mg/l/96h (Birge WJ et al, 1985)

LC<sub>50</sub> (*Pimephales promelas*) 6390 mg/l/96h (Mount DR et al, 1997)

#### Acute toxicity to invertebrates

LC<sub>50</sub> (*Daphnia magna*) 3412 mg/l/24h (Dowden BF; Proc La Acad Sci 23, 1961)

### 12.2. Persistence and degradability

Sodium chloride in the form of tablets in contact with water is slowly dissolved. Is an inorganic substance which cannot be oxidized or biodegradable by microorganisms. Sodium chloride is in dissociated form in water.

### 12.3. Bioaccumulative potential

In accordance with section 1 of REACH Annex XI, the study does not need to be conducted as in water, sodium chloride in the environment is in the dissociated form, which means that it will not accumulate in living tissues.

Octanol-water partition coefficient (K<sub>ow</sub>): Not applicable (sodium chloride is inorganic salt).

Bioconcentration factor (BCF): Not applicable (sodium chloride is inorganic salt)

### 12.4. Mobility in soil


In accordance with section 1 of Annex XI of the REACH Regulation, the study is not need, because sodium chloride is in the environment in the form of ions, which means that it will not be adsorbed.

### 12.5. Results of PBT and vPvB assessment

The PBT or vPvB criteria of Annex XIII to the Regulation does not apply to inorganic substances.

### 12.6. Endocrine disrupting properties

The substance is not included in the list established in accordance with Article 59 (1) of REACH as having endocrine disrupting properties. The substance does not meet the criteria for endocrine disrupting properties set forth in Commission Regulation (EU) 2017/2100 (OJ EU L 301, 17.11.2017, as amended) and Commission Regulation (EU) 2018/605 (OJ EU L 101, 20.04.2018, as amended).

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### 12.7. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

During removal of waste comply with the regional/national laws.

Community legislation:

- Directive **2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.
- European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

**Disposal methods for the product:** Don't introduce into the environment. Collect spilt substance to the containers. Reused or pass in a properly labelled containers for disposal to the qualifying company.

**Method of disposal of packaging:** Do not introduce into the environment. Dispose of packaging as waste, transfer in properly labeled waste containers to an authorized company.

## SECTION 14: Transport information

### 14.1. UN number or ID number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards


Substance is not dangerous for the environment in accordance with the UN Model Regulations criteria.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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## SECTION 15: Regulatory information

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### 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 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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 (OJ EU L 396/1, 30.12.2006, 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended. (OJ EU L 353/1, 31.12.2008, as amended).
- **Commission Regulation (EU) 2020/878** of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ EU L 203/28, 26.06.2020).
- **Regulation (EC) No 1005/2009** of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer (OJ EU L 286/1 of 31.10.2009, as amended).

### 15.2. Chemical safety assessment

The Chemical Safety Assessment has not been prepared by supplier – substance is not subject to registration in accordance with paragraph 7 of Annex V of the REACH Regulation.

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## SECTION 16: Other information

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### Explanation of abbreviations and acronyms:

IMO - International Maritime Organization

LC<sub>50</sub> - median lethal concentration

LD<sub>50</sub> - median lethal dose

b.w. - body weight


STEL - short-term exposure limit

BLV - biological limit value

CAS No. - the number assigned to a chemical substance by the Chemical Abstracts Service

Index number - the number assigned to a chemical substance in Annex VI of the CLP Regulation

EC No. - the number assigned to the chemical in the European Inventory of Existing Commercial Chemical Substances (EINECS), the European List of Notified Chemical

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Substances (ELINCS), or the list of chemicals listed in the European Commission publication "No-longer polymers" (NLP)

PBT - persistent, bioaccumulative and toxic

vPvB - very persistent and very bioaccumulative

**Key data sources:**

Safety data sheet dated 18.07.2013.

**Training advice:** Read this safety data sheet before use.

The information contained in this document is based on the current state of our knowledge and is intended to describe the product from the point of view of safety requirements. It cannot be interpreted as a guarantee of product properties. The recipient and user are responsible for ensuring a safe workplace and conditions for safe use of the product and for compliance with all applicable laws.

Commas in numeric data define decimals.

This safety data sheet cancels and replaces all its previous editions for CIECH Soda Polska S.A. (previous name of the company).

Changes made to the previous edition - sections: 1, 8, 15, 16.