

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 04.06.2013

Revision no. 1

Revision: 04.06.2013

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

- **Product identifier**
- **Trade name:** Salt - all type  
Sodium chloride - all types
- **Product name:** Salt
- **Article number:** 102193
- **EC number:**  
231-598-3
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation**  
For chemical/technical use.  
Food
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
AZELIS  
Posthofbrug 12, box 6  
B-2600 Antwerp  
Belgium
- **Further information obtainable from:**  
Azelis  
E mail: sds@azelis.com
- **Emergency telephone number:**  
+ 33 (0) 1 44 73 10 02 ( Carechem 24\*7 )  
For China: + 86 1051003039  
For India: +65 31581198  
For advice on chemical emergencies, spillages, fires or First Aid  
National emergency telephone number :  
Czech Republic: Toxikologické informační středisko (TIS), Klinika nemocí z povolání, Na Bojišti 1,  
128 08 Praha 2, Tel – nonstop: + 420 224 919 293, + 420 224 915 402  
France : Orfila 01.45.42.59.59  
Netherlands: National vergiftigingen info centrum: 030-2748888  
Denmark Giftlinien +45 82 12 12 12  
Sverige +46 08-33 12 31  
Norge Giftcentralen +47 22 59 13 00  
Schweizerisches Toxikologisches Informationszentrum Telefon +41 145  
Finland: Myrkytystietokeskus, puh. 09-471977 tai 09-4711/Myrkytystietokeskus  
Vergiftungsinformationszentrale Wien Telefon +43 1 4064343  
Núdzové telefónne číslo: Národné toxikologické informačné centrum, tel: 02/ 5477 4166  
Romania: BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE  
TOXICOLOGICA: +4021 318 36 06  
Serbia - Nacionalni centar za kontrolu trovanja: + 381 11 266 11 22  
Turkey - Acil Sağlık Hizmetleri Genel Müdürlüğü: 114  
Hungary - Health Toxicological Information Service, H-1096 Budapest, Nagyvárad tér 2: +36 80 20  
11 99 (free of charge within Hungary)  
Croatia - Broj telefona službe za izvanredna stanja: 112  
Greece - ΤΗΛ. ΚΕΝΤΡΟΥ ΔΗΛΗΤΗΡΙΑΣΕΩΝ : 210-77.93.777  
SLOVAKIA Núdzové telefónne číslo: Národné toxikologické informačné centrum, tel: 02/ 5477 4166

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## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is in line with current EC lists. It is extended, by information from technical literature and company information.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
7647-14-5
- **Identification number(s)**
- **EC number:** 231-598-3

### · **Additional information:**

CAS: 7647-14-5	sodium chloride	> 98%
EINECS: 231-598-3		

## 4 First aid measures

- **Description of first aid measures**
- **General information:** Seek medical treatment in case of complaints.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Remove contact lenses.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

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### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
The product is non-combustible  
The product is not flammable  
In case of fire, the following can be released:  
Hydrogen chloride (HCl)
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Avoid contact with eyes and skin  
Eye wash must be available at the workplace.
- **Environmental precautions:** Avoid spreading into the environment.
- **Methods and material for containment and cleaning up:**  
Sweep together and pick up.  
Send for recovery or disposal in suitable receptacles.  
Clean the affected area carefully; suitable cleaners are:  
Water  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Usual safety precautions should be observed to ensure safe handling.
- **Information about fire - and explosion protection:**  
Ground container and transfer equipment to eliminate static electric sparks.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep in cool, dry, ventilated storage and closed containers.  
Keep container tightly sealed.
- **Information about storage in one common storage facility:**  
Store separated from:  
Strong acids.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
See section: Additional Occupational Exposure Limit Values
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
Inhalable dust: 3mg/m<sup>3</sup>  
Total dust: 10mg/m<sup>3</sup>
- **Additional information:**  
This is based on data that was valid at the time of writing.  
Use engineering controls to reduce air contamination to permissible exposure level.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Provide eyewash station.  
Ensure that washing facilities are available at the work place.  
Ensure adequate ventilation.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.



Wear respirator if there is dust formation.

NIOSH or European Standard EN 149 approved respirator

- **Protection of hands:**  
Use protective gloves in case of long-term or repeated skincontact.



Protective gloves.

DIN/EN 374

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Eye protection:**



Safety glasses

(EN 166)

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  
**Form:** Crystalline

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<b>Colour:</b>	Colourless White
<b>· Odour:</b>	Odourless
<b>· pH-value (100 g/l) at 20 °C:</b>	10
<b>· Change in condition</b>	
<b>Melting point/Melting range:</b>	~801 °C
<b>Boiling point/Boiling range:</b>	~1413 °C
<b>· Flash point:</b>	Not applicable.
<b>· Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Undetermined.
<b>· Self-igniting:</b>	Product is not selfigniting.
<b>· Danger of explosion:</b>	Product does not present an explosion hazard.
<b>· Vapour pressure at 747 °C:</b>	2.4 mmHg
<b>· Density at 20 °C:</b>	2.17 g/cm <sup>3</sup>
<b>· Solubility in / Miscibility with water at 0 °C:</b>	359 g/l
<b>· Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
Thermal decomposition: >800 °C
- **Possibility of hazardous reactions**  
Contact with acids releases flammable gases.  
Corrosive action on metals.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong acids.
- **Hazardous decomposition products:**  
Fire or high temperatures create:  
Hydrogen chloride (HCl)

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

**7647-14-5 sodium chloride**

Oral LD50 3000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Prolonged or repeated contact leads to drying of skin.
- **on the eye:** Particles in the eyes could cause irritation and smarting.
- **ingestion:** Could cause discomfort if swallowed.

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- **inhalation:** Dust could irritate respiratory system or lungs.

- **Subacute to chronic toxicity:**

**Salt - all type**

Toxicity 1000 hg/cm<sup>2</sup> (Earthworm)

- **Genotoxicity (mutagenicity):** Not mutagenic.

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**Salt - all type**

EC50/48h 2024 mg/l (Daphnia)

IC50/72 h 3014 mg/l (algae)

LC50/96h 6750 mg/l (fish)

Subacute 1016 mg/l (Daphnia)

433 mg/l (fish)

- **Persistence and degradability**

**Salt - all type**

BOD5 0 mg/g (-)

COD 0 mg/g (Chemical oxygen demand)

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation** Dispose of in accordance with Local Authority requirements.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**

ADR, ADN, IMDG, IATA

Void

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· <b>UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	-

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard statements** Please refer section 2.
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Q&SHE
- **Contact:** sds@azelis.com
- **Abbreviations and acronyms:**  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organization  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent