

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

Printing date 02.01.2012

Revision no. 1

Revision: 02.01.2012

## 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**
- **EC number: 231-598-3**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **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](mailto:sds@azelis.com)
- **Emergency telephone number:**  
+ 33 (0) 1 44 73 10 02 ( Carechem 24\*7 )  
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 vergiftigen 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

## 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**

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- **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.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** The product is not combustible.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Hydrogen chloride (HCl)
- **Advice for firefighters**
- **Protective equipment:** Wear personal safety equipment
- **Additional information** Not flammable.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Avoid contact with eyes and skin

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- Eye wash must be available at the workplace.
- **Environmental precautions:** No special measures required.
- **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
- **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.

### 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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
Inhalable dust: 5mg/m<sup>3</sup>  
Total dust: 15mg/m<sup>3</sup>
- **Additional information:** This is based on data that was valid at the time of writing.
- **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.

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- **Respiratory protection:**  
 Not necessary if room is well-ventilated.



Wear respirator if there is dust formation.

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



Protective gloves.

- **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

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Crystalline  
**Colour:** Colourless  
 White

- **Odour:** Odourless

- **pH-value (100 g/l) at 20°C:** 10

- **Change in condition**

**Melting point/Melting range:** ~801°C  
**Boiling point/Boiling range:** ~1413°C

- **Flash point:** Not applicable.

- **Ignition temperature:**

**Decomposition temperature:** Undetermined.

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapour pressure at 747°C:** 2.4 mmHg

- **Density at 20°C:** 2.17 g/cm<sup>3</sup>

- **Solubility in / Miscibility with water at 0°C:**

359 g/l

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

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### 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:** No dangerous decomposition products known.

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

· **Subacute to chronic toxicity:**

**Salt - all type**

Toxicity	1000 hg/cm2 (Earthworm)
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- **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)
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IC50/72 h	3014 mg/l (algae)
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LC50/96h	6750 mg/l (fish)
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Subacute	1016 mg/l (Daphnia)
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	433 mg/l (fish)
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· **Persistence and degradability**

**Salt - all type**

BOD5	0 mg/g (-)
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<b>COD</b>	0 mg/g (Chemical oxygen demand)
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- **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

- |  |  |
|--|--|
| · <b>UN-Number</b>   | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>UN proper shipping name</b>   | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>Transport hazard class(es)</b>  | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>  | Void   |
| · <b>Class</b>   | Void   |
| · <b>Packing group</b>   | Void   |
| · <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 MARPOL73/78 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

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 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:** SHEQ
- **Contact:** [sds@azelis.com](mailto:sds@azelis.com)
- **Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*ICAO: International Civil Aviation Organization*

*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*

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