

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/m³
Total dust: 10mg/m³
- **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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· 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 ³
· Solubility in / Miscibility with water at 0 °C:	359 g/l
· Other information	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/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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COD	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

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

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· UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

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