

**Safety data sheet**  
According to 1907/2006/EC, Article 31, amended by  
Regulation (EU) No. 2015/830

Printing date 14.09.2018

Revision no. 3

Revision: 14.09.2018

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

· **1.1 Product identifier**

· **Trade name: Pioner Salt Tablet (Untreated)**

· **Article number:** 100105

· **CAS Number:**  
7647-14-5

· **EC number:**  
231-598-3

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

Watersoftening.

For chemical/technical use.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

AZELIS

Posthofbrug 12, box 6

B-2600 Antwerp

Belgium

· **For further information or SDS requests please contact:**

Azelis

E mail: [sds@azelis.com](mailto:sds@azelis.com)

· **1.4 Emergency telephone number:**

MULTI LINGUAL EMERGENCY NUMBER (Carechem 24\*7)

EUROPE: + 33 (0) 1 44 73 10 02

USA: +1 866 928 0789 (Toll free)

CHINA: + 86 1051003039

INDIA: +65 31581198

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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**SECTION 3: Composition/information on ingredients**

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

**SECTION 4: First aid measures**

- **4.1 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.  
Remove contact lenses.  
If irritation persist seek medical advice
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** The product is not combustible.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Hydrogen chloride (HCl)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.  
In the event of fire and/or explosion do not breathe fumes.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Avoid formation of dust.  
Avoid eye contact.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.

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- **6.3 Methods and material for containment and cleaning up:**  
 Spills should be swept up into sealed containers. Avoid producing dust.  
 Sweep together and pick up.  
 Flush with water.  
 Dispose of the material collected according to regulations.
- **6.4 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.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
 Usual safety precautions should be observed to ensure safe handling.  
 Ensure good ventilation/exhaustion at the workplace.  
 Avoid eye contact.
- **Information about fire - and explosion protection:**  
 Normal measures for preventive fire protection.  
 The product is not combustible.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in dry conditions.
- **Information about storage in one common storage facility:**  
 Store separated from:  
 Strong acids.  
 Oxidizing agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** VCI: 13
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 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 information:** Use engineering controls to reduce air contamination.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 The usual precautionary measures are to be adhered to when handling chemicals.  
 Local exhaust ventilation required.  
 Avoid contact with the eyes.  
 Prevent formation of dust.  
 Do not eat or drink while working.  
 Wash hands before breaks and at the end of work.  
 Brush soiled clothing.

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*Eyewash and safety shower facilities should be available when handling this product.*

· **Respiratory protection:**



Wear respirator if there is dust formation.

NIOSH or European Standard EN 149 approved respirator

· **Protection of hands:**



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)

· **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Crystalline

Colour: Colourless

· **Odour:** Odourless

· **pH-value (50 g/l) at 20 °C:** 6-9 (DIN 38404-5)

· **Change in condition**

Melting point/freezing point: 801 °C

Initial boiling point and boiling range: 1461 °C

· **Flash point:** No data.

· **Decomposition temperature:** Undetermined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Vapour pressure at 20 °C:** 0 mbar

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

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- **Solubility in / Miscibility with water at 20 °C:** 359 g/l
- **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Contact with acids releases flammable gases.  
Corrosive action on metals.
- **10.4 Conditions to avoid** Dust generation
- **10.5 Incompatible materials:**  
Strong acids.  
Oxidising agents
- **10.6 Hazardous decomposition products:**  
Hydrogen chloride (HCl)  
Chlorine (Cl<sub>2</sub>)

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
- |  |      |                  |
|--|------|------------------|
| · <b>LD/LC50 values relevant for classification:</b> |      |                  |
| Oral   | LD50 | 3000 mg/kg (rat) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation** Slight irritant
  - **Serious eye damage/irritation**  
Slightly irritating  
Mechanical irritation
  - **ingestion:** Could cause discomfort if swallowed.
  - **inhalation:** No specific health warnings noted.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **Subacute to chronic toxicity:**
  - **Genotoxicity (mutagenicity):** Not mutagenic.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **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-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

EC50/48h	4800 mg/l (algae)
LC50	>10000 mg/l (fish)
LC50/24 h	> 3000 mg/l (Daphnia magna)

· **12.2 Persistence and degradability** Not biodegradable (inorganic product)

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water Hazard Class: WGK 1

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

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

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

· **Uncleaned packaging:**

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

**SECTION 14: Transport information**

· **14.1 UN-Number**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR/RID/ADN, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR/RID/ADN, IMDG, IATA** Void

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Not applicable.

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- |  |  |
|--|--|
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

**SECTION 15: Regulatory information**

- **15.1 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.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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
- **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 Organisation  
 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 Harmonised 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  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**