




1 Identification of the substance/mixture and the company

Product identifier	Aluminium No.1
Use of substance	Reagent for water analysis
Supplier	WAPOTEC GmbH Carola-Blome-Str. 7 A-5020 Salzburg Tel: +43 662 434342-0 Fax: +43 662 434342-3
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2 Hazards identification

- ⓘ **Hazard designation** void
- ⓘ **Information pertaining to particular dangers for man 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" (1999/45/EC) in the latest valid version.
- ⓘ **GHS label elements**
EUH210 Safety data sheet available on request

3 Composition/information on ingredients

- ⓘ **Description:** Mixture contains anorganic and organic compounds.
- ⓘ **Dangerous components:**
CAS: 70-49-5 mercaptosuccini acid  Xn,  Xi; R 22-36/37/38 2.5-5%
EINECS: 200-736-4 Warning  3.1.O/4, 3.2/2, 3.3/2, 3.8/3
- ⓘ **REACH – Pre-registered substances** All components are REACH pre-registered.
- ⓘ **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- ⓘ **General information** Instantly remove any clothing soiled by the product.
- ⓘ **After inhalation** Supply fresh air. Consult doctor in case of symptoms.

- ⦿ **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- ⦿ **After eye contact** Rinse opened eye for several minutes (at least 10 min) under running water. Seek medical treatment.
- ⦿ **After swallowing** Rinse out mouth and then drink 1-2 glasses of water. In case of persistent symptoms consult doctor.
- ⦿ **The following symptoms may occur: After swallowing:** sickness, vomiting
- ⦿ **Danger** Danger of disturbed cardiac rhythm.

5 Fire-fighting measures

- ⦿ **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- ⦿ **Special hazards caused by the material, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire, Hydrogen chloride (HCl), Sulphur oxides (SO_x)
- ⦿ **Protective equipment:**
Wear self-contained breathing apparatus.
- ⦿ **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Ambient fire may liberate hazardous vapours.

6 Accidental release measures

- ⦿ **Person-related safety precautions:** Keep unprotected persons away. Wear protective equipment.
- ⦿ **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
- ⦿ **Measures for cleaning/collecting:**
Collect mechanically. Ensure adequate ventilation. Dispose of contaminated material as waste according to item 13.
- ⦿ **Additional information:** No dangerous materials are released.

7 Handling and storage

- ⦿ **Handling**
- ⦿ **Information for safe handling** No special measures required.
- ⦿ **Information about protection against explosions and fires:**
The product is not flammable
- ⦿ **Storage**
- ⦿ **Requirements to be met by storerooms and containers:** Store in cool location.

- ⦿ **Information about storage in one common storage facility:** Store away from oxidizing agents.
- ⦿ **Further information about storage conditions:**
Protect from heat and direct sunlight. Store under dry conditions. Protect from humidity and keep away from water. Protect from the effects of light.
- ⦿ **Recommended storage temperature:** 20°C +/-5°C

8 Exposure controls and personal protection

- ⦿ **Components 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:** The lists that were valid during the compilation were used as basis.
- ⦿ **Personal protective equipment**
- ⦿ **General protective and hygienic measures** Do not eat, drink or smoke while working.
- ⦿ **Breathing equipment:** Use breathing protection against the effects of fumes/dust/aerosol.
- ⦿ **Recommended filter device for short term use:** Filter P1
- ⦿ **Protection of hands:** Preventive skin protection by use of skin-protection agents is recommended.
- ⦿ **Material of gloves** nitrile rubber, NBR. Recommended thickness of the material: ≥ 0.11 mm
- ⦿ **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Value for the permeation: Level ≥ 1 (>10 min)
- ⦿ **Eye protection:** Use against the effects of fumes / dust. Safety glasses.
- ⦿ **Body protection:** Protective work clothing

9 Physical and chemical properties

Information basic physical and chemical properties

Appearance:

- | | |
|--|------------------|
| ⦿ Form: | Tablets |
| ⦿ Colour: | White |
| ⦿ Odour: | Nearly odourless |
| ⦿ pH-value (10g/l) at 20°C | 3.1 |
| ⦿ Melting point/
Metling range: | Not determined |
| ⦿ Boiling point / Boiling range: | 1413°C |
| ⦿ Flash point: | Not applicable |

- ⦿ **Danger of explosion:** Product is not explosive.
- ⦿ **Density at 20°C** Not determined
- ⦿ **Solubility in / Miscibility with Water at 20°C:** Soluble
- ⦿ **Solvent content:** 0.0 %
Organic solvents:
- ⦿ **Solids content:** 100 %

10 Stability and reactivity

- ⦿ **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- ⦿ **Materials to be avoided:** alkalis, reducing agents, oxidizing agents -> forms heat
- ⦿ **Dangerous products of decomposition:** See chapter 5

11 Toxicological information

Acute toxicity: Quantitative data on the toxicity of the preparation are not available.

LD/LC50 values that are relevant for classification:

70-49-5 mercaptosuccinic acid

Oral/LD50/800mg/kg (rat)

LD50 IPR/200mg/kg (mouse)

Primary irritant effect:

- ⦿ **on the skin:** No irritant effect
- ⦿ **on the eye:** Irritant effect.
- ⦿ **Sensitization:** No sensitizing effect known.
- ⦿ **Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The usual precautionary measures should be adhered to general rules for handling chemicals.
- ⦿ **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** No data available

12 Ecological information

- ⦿ **Information about elimination (persistence and degradability).**
- ⦿ **Other information:** Quantitative data on the ecological effect of this product are not available. The following statements refer to the individual components.
- ⦿ **Ecotoxicological effects:**
- ⦿ **Remark:**

Toxic for fish:

NH ₄ ⁺	>0.3 mg/l
Sulphates	>7 g/l
Magnesium compounds	100 – 400 mg/l

☉ Persistence and degradability

☉ Behaviour in environmental systems: 10043-35-3 boric acid. Log P(o/w)/0.76 (25°C (.)

☉ Mobility and bioaccumulative potential Depending on the concentration, phosphorus compounds may contribute to the eutrophication of water supplies.

☉ Ecotoxicological effects:

Bacterial toxicity: sulphates toxic > 2.5 g/l

☉ Additional ecological information:

General notes: Water hazard class 3 (German Regulation) (Self-assessment acc VwVWS Annex 4): extremely hazardous for water. Do not allow undiluted product to reach ground water, water bodies or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into soil.

PBT assessments: no data available

vPvB assessments: no data available

13 Disposal considerations

☉ Product:

☉ Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

☉ European waste catalogue: 16 05 09 discarded chemicals other than those mentioned in 16 05 06 16 05 07 or 16 05 08

☉ Uncleaned packagings:

☉ Recommendation: Disposal must be made according to official regulations.

☉ Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information

Land transport ADR/RID (cross border)

ADR/RID-GGVS/E class: ---

Maritime transport IMDG:

IMDG Class: ---

Marine pollutant: No





Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: ---

Un "Model Regulation": ---


Transport/Additional information: Not dangerous according to the above specifications.


15 Regulatory information

-  **Designation according to EC guidelines:**
 The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
-  **Special designation of certain preparations:** Safety data sheet available for professional user on request.
-  **National regulations**
-  **Information about limitation of use:** Not required.


16 Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as a guidance for safe handling. The categorisation according to Dangerous Preparations Directive 1999/45/EC resp. regulation CLP (EC)1272/2008 is based on the classification of the single component according to Annex VI of regulation CLP (EC)1272/2008 as well as on manufacturer's data completed by hazardous material database.


-  Relevant R-phrases

22	Harmful if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
-  Edition

Number 1

-  Translated by

WAPOTEC GmbH

-  Short cut

