

Section 1 Identification of the substance/mixture and the company


- 1.1 Product identifier **Aluminium No.1**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Use of substance Reagent for water analysis
- 1.3 Supplier WAPOTEC GmbH
Franz-Sauer-Str. 44
A-5020 Salzburg
Tel: +43 662 434342-0
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- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
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- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43
Available 0-24h

Section 2 Hazards identification

- 2.1 Hazard classification of substance or mixture
- According to Directive (EC) N° 1272/2008
Not applicable..
- 2.2 Label elements
- According to Directive (EC) 1272/2008
Not applicable.
- Danger defining components for labeling
Not applicable.
- 2.3 Other hazards
- The following applies to Mercaptane in general: Offensive odor.

Section 3 Composition/information on ingredients

- 3.2 Mixtures
- Chemical characteristics
Mixture of organic and inorganic compounds

 Dangerous components

Name	CAS # / EC # / Index #	Conc. %	Classification acc.	
			VO (EG) 1272/2008*	
Mercaptosuccinic acid	70-49-5/ 200-736-4/ -	2,5-5	Acute tox. 4 Skin irrit. 2 Eye Irrit. 2 STOT SE 3	H302 H315 H319 H335

* For the wording of the listed hazard phrases refer to section 16.

Section 4 First-aid measures

4.1 Description of first aid measures

 General information

Instantly remove any clothing soiled by the product.

 After inhalation

Supply fresh air.

 After skin contact

Instantly wash with water and soap and rinse thoroughly.

 After eye contact

Rinse opened eye for several minutes under running water (at least 15 minutes).
If symptoms persist, consult doctor.

 After swallowing

Rinse out mouth and then drink 1-2 glasses of water.
In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, acute and delayed

After swallowing of large amounts:

Sickness

Vomiting

Diarrhoea

Drop in blood pressure

Respiratory paralysis

Cardiovascular disorders

Danger: Danger of disturbed cardiac rhythm.

4.3 Indications for immediate medical attention or special treatment needed

No further relevant information available.

Section 5 Fire-fighting measures

5.1 Extinguishing media

☉ Suitable extinguishing media

Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

The product is not combustible.

Formation of toxic gases is possible during heating or in case of fire.

Hydrogen chloride (HCl)

Nitrogen oxides (NO_x)

Dipotassium oxide

5.3 Special protective actions for fire-fighters

☉ Special protective equipment

Wear self-contained breathing apparatus.

Wear full protective suit.

☉ 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 vapors.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and suitable emergency procedures.

☉ Advice for non-emergency personnel

Wear protective equipment. Keep unprotected persons away.

☉ Advice for emergency responders

Protective equipment – see section 8.

6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Collect mechanically.

Dispose of contaminated material as waste according to section 13.

6.4 Additional information

See section 8 for information on protective equipment.

See section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

☉ Hygiene measures

The usual precautionary measures should be adhered to general rules for handling

chemicals.

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke when using the product.

7.2 Conditions for safe storage including any incompatibilities

☉ 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.

Protect from the effects of light.

Store under dry conditions.

Protect from humidity and keep away from water.

☉ Maximum storage temperature: 25°C

☉ Recommended storage temperature: 20°C +/-5°C

7.3 Specific end uses

No further relevant information available.



Section 8 Exposure controls and personal protection

8.1 Control parameters

☉ Components with limit values that require monitoring at the workplace

The product does not contain relevant quantities of substances with monitored limits based on the workplace.

☉ Additional information

The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

☉ Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See item 7.

☉ Personal protective equipment

☉ Respiratory protection

Use breathing protection against the effects of fumes/dust/aerosol.

Recommended filter device for short term use: Filter P1

☉ Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Glove material: Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

Penetration time of glove material

Value for the permeation: Level = 1 (<10 min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

☉ Eye protection

Safety glasses

use against the effects of fumes / dust.

☉ Personal protection

Protective working clothing.

☉ Limitation and supervision of exposure into the environment

Do not allow product to reach sewage system or water bodies.



Section 9 Physical and chemical properties

9.1	Information on basic physical and chemical properties	
☉	Appearance	Tablets
☉	Color	Pink
☉	Odor	Nearly odorless
☉	Odor treshold	Not determined
☉	pH-value (1 l g/l) at 20°C	3.1
☉	Melting point	Not determined
☉	Boiling point / Boiling range	Not determined
☉	Flash point	Not applicable
☉	Flammability (solid, gas)	Product is not combustible.
☉	Ignition temperature	Not applicable
☉	Decomposition temperature	Not determined
☉	Auto-ignition temperature	Product is not self-igniting.
☉	Explosive properties	Product is not explosive.
	Upper explosion limit	Not applicable
	Lower explosion limit	Not applicable
☉	Oxidizing properties	None
☉	Vapor pressure	Not applicable
☉	Density	Not determined
☉	Relative density	Not applicable
☉	Vapor density	Not applicable
☉	Evaporation rate	Not applicable

Water solubility	Soluble
Partition coefficient n-octanol/water	Not applicable
Viscosity	Not applicable
Solvent content	
Organique solvants	0.0%
Solids content	100.0%

9.2 Other information:
No further relevant information available.

Section 10 Stability and reactivity

- 10.1 Reactivity
See section 10.3.
- 10.2 Chemical stability
Stable at ambient temperature (room temperature).
- 10.3 Possibility of hazardous reactions
Reacts with acids.
Reacts with oxidizing agents.
→ forms heat
Reacts with alkalis releasing ammonia.
- 10.4 Conditions to avoid
Strong heating (decomposition).
- 10.5 Incompatible materials
No further relevant information available.
- 10.6 Hazardous decomposition products
See section 5.

Section 11 Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification

The following statements refer to the individual components:

CAS: 70-49-5 DL- Mercaptosuccinic acid		
Oral	LD ₅₀	800 mg/kg (rat)
	LD ₅₀ IVN	> 1 mg/kg (rabbit)
	LD ₅₀ IPR	200 mg/kg (mouse)

- Primary irritant effect

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

☉ Serious eye damage/irritation

Based on available data, the classification criteria are not met.

☉ Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

☉ CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction)

The following statements refer to the mixture:

☉ 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.

☉ Specific target organ toxicity (STOT) – single exposure

Based on available data, the classification criteria are not met.

☉ Specific target organ toxicity (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.

☉ Additional toxicological information

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.



Section 12 Ecological information

12.1

Toxicity

☉ Aquatic toxicity

No further relevant information available.

☉ Bacterial toxicity

Sulphates toxic > 2,5 g/l

☉ Other information

Toxic for fish :

Sulphates > 7 g/l

Magnesium compounds: 100 – 400 mg/l

NH₄ > 0,3 mg/l

12.2

Persistence et dégradabilité

No further relevant information available.

12.3. Potentiel de bioaccumulation

CAS: 70-49-5 DL- Mercaptosuccinic acid	
log Pow	-0.88 (.) (calculated)

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT- and vPvB-assessment

This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) N° 1907/2006.

12.6 Other adverse effects

Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of water supplies.
Avoid transfer into the environment.

 Water hazard

Do not allow 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.

Section 13 Disposal considerations

13.1 Waste treatment methods

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

Disposal must be made according to official regulations.

 European waste catalogue

16 05 09

Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08.

 Contaminated packaging material

Recommendation: Disposal must be made according to official regulations.

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

Section 14 Transport information

No dangerous good according to regulation for transport of dangerous goods.

14.1 UN-Number


ADR, RID,
IMDG, IATA

Void.





14.2 Proper UN-shipping name

ADR, RID,
IMDG, IATA

Void.

14.3	Transport hazard class
ADR, RID, IMDG, IATA	Void.
14.4	Packaging group
ADR, RID, IMDG, IATA	Void.
14.5	Environmental hazards
	Not applicable.
14.6	Special precautions for the user
	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL agreement 73/78 and according to IBC-Code
	Not applicable.
	 Transport/Additional information Not dangerous according to the above specifications.

Section 15 Regulatory information

15.1	<p>Safety-, health-, ambient- and legislation specific instructions for substance or mixture</p>  Regulation (EC) 1005/2009 on substances that deplete the ozone layer None of the ingredients is listed.  Directive 2012/18/UE (SEVESO III) Named dangerous substances – Annexe I None of the ingredients is listed.  Regulation (EC) No. 1907/2006 Annex XVII Conditions of restriction: 65  Information about limitation of use Not required.
15.2	<p>Chemical safety assessment</p> <p>A chemical safety assessment has not been carried out.</p>

Section 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

 Relevant H-phrases

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation

H335

May cause respiratory irritation

🕒 Training hints

Provide adequate information, instruction and training for operators.

🕒 Edition

Replaces previous versions

🕒 Written by

WAPOTEC GmbH

🕒 Short cut

n. t. not tested

n. a. not applicable

PBT persistent, bio-accumulative, toxic

vPvB high persistent, high bio-accumulative

