



## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date: 12.02.2025

Version No: 1.00

Revision: 12.02.2025

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

#### 1.1 Product identifier

**Trade name:** Andimag**CAS Number:**

1309-42-8

**EC number:**

215-170-3

**Registration number:** 01-2119488756-18-0066

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

**Application of the substance / the preparation:** Raw material for different industrial uses**Uses advised against:** No further relevant information available.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Luttenberger C-Trade GmbH

Brückenkopfgasse 1 / 6

8020 Graz, Austria

m:+43 664 833 1105

a.luttenberger@c-trade.at

#### 1.4 Emergency telephone number:

GIZ-Nord

+49 0551-19240 (German/English)

### 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:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as PBT.**vPvB:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as vPvB.**Determination of endocrine-disrupting properties**This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq 0.1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

**CAS No. Description**

CAS: 1309-42-8 magnesium hydroxide

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Identification number(s)  
EC number: 215-170-3

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

No special measures required.

If symptoms persist consult doctor.

**After inhalation:** Supply fresh air.

**After skin contact:** Generally the product does not irritate the skin.

#### After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

**After swallowing:** Rinse mouth.

### 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:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### 5.2 Special hazards arising from the substance or mixture

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

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained respiratory protective device.

#### Additional information

Cool endangered receptacles with water spray.

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

Ensure adequate ventilation.

Wear protective clothing.

Avoid formation of dust.

Keep away from ignition sources.

**6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.

### 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Ensure good ventilation/exhaustion at the workplace.

#### Information about fire and explosion protection:

Dust can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:** Store away from oxidising agents.**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

### 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 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.

#### DNELs

Oral	DNEL(long/systemic)	2.21 mg/kg bw/day (Consumer)
Dermal	DNEL(long/systemic)	1.1 mg/kg bw/day (Consumer)
		3.09 mg/kg bw/day (Workers (Industrial/Professional))
Inhalative	DNEL(long/systemic)	3.86 mg/m <sup>3</sup> (Consumer)
		21.6 mg/m <sup>3</sup> (Workers (Industrial/Professional))

#### PNECs

PNEC(aqua)	0.17 mg/L (freshwater)
	0.017 mg/L (marine water)
	1.7 mg/L (intermittent release (freshwater))
PNEC(STP)	10 mg/L (sewage treatment plant)
PNEC(sediment)	1.37 mg/kg sedi. dw (freshwater)
	0.137 mg/kg sedi. dw (marine water)
PNEC(soil)	0.17 mg/kg soil dw (soil)
PNEC(oral)	66.67 mg/kg food (food)

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

#### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

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

##### Hand protection

Protective gloves and protective skin cream

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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**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.

**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.

**Eye/face protection** Safety glasses**Body protection:** Protective work clothing**Environmental exposure controls** No further relevant information available.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Solid
<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	Not applicable.
<b>Flammability</b>	Not determined.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	> 320 °C (OECD Guideline 102)
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>Dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>water at 20 °C:</b>	0.00178 g/L (OECD Guideline 105)
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	2.41 g/cm <sup>3</sup> (OECD Guideline 109)
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Relative gas density</b>	Not applicable.
<b>Particle characteristics</b>	See section 3.

**9.2 Other information**

<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Molecular weight</b>	58.33 g/mol
<b>Oxidising properties</b>	No
<b>Evaporation rate</b>	Not applicable.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability** No decomposition if used and stored according to specifications.**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

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**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

#### LD/LC50 values relevant for classification:

Oral	LD50	> 2000 mg/kg (Rat) (OECD Guideline 423)
Inhalative	LC50 (4h)	> 2.1 mg/L (Rat) (OECD Guideline 403, inhalation:aerosol)

#### 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.**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.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq 0.1\%$ .

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

LC50 (48h) (static)	1330 mg/L (Daphnia) (EPA/600/4-90/027, Daphnia magna) nominal Read-across to CAS 7786-30-3
LC50 (96h) (static)	2120 mg/L (fish) (EPA/600/4-90/027, Pimephales promelas) nominal Read-across to CAS 7786-30-3
EC50 (3h) (static)	> 100 mg/L (Bacteria) (OECD Guideline 209, activated sludge) nominal
EC50 (72h) (static)	> 100 mg/L (algae) (OECD Guideline 201, Pseudokirchneriella subcapitata) nominal
NOEC (72h) (static)	100 mg/L (algae) (OECD Guideline 201, Pseudokirchneriella subcapitata) nominal

**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as PBT.**vPvB:** This product does not contain any substances  $\geq 0.1\%$  that have been assessed as vPvB.

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**12.6 Endocrine disrupting properties**

This product does not contain substances with endocrine disrupting properties in a concentration of  $\geq 0.1\%$ .

**12.7 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation:** Must be specially treated adhering to official regulations.

**Uncleaned packaging**

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

### SECTION 14: Transport information

**14.1 UN number or ID number**

ADR/RID/ADN, IMDG, IATA Void

**14.2 UN proper shipping name**

ADR/RID/ADN, IMDG, IATA Void

**14.3 Transport hazard class(es)**

ADR/RID/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.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Void

### SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS** Substance is not listed.

**Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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### 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.

**Date of previous version:** 03.12.2024**Abbreviations and acronyms:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

UN: United Nations (also UNO: United Nations Organization)

NOEC: No Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

ASTM: American Society for Testing and Materials

WAF: Water Accommodated Fraction

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative