

ALMAMET GmbH

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1 Identification of the substance / preparation and of the company

Product: Magnesium powder
Registration number: not determinated
Use: See product information.
Identified use: none
Method of operation: See product information.
Company: ALMAMET GmbH
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Responsible: Simonavicius@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10 and R-phrases.
Human health dangers: See chapter 11.
Environmental hazards: No particular hazards known.
Other hazards: none
Hazard symbols:



Highly flammable

R-phrases: R 15: Contact with water liberates extremely flammable gases.

3 Composition / Information on ingredients

max. 99,95%	Magnesium powder
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F, R15-17 CAS: 7439-95-4, EINECS/ELINCS: 231-104-6, EU-INDEX: 012-002-00-9, ECBnr:
Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: Remove contaminated soaked clothing immediately and dispose of safely.
Inhalation: Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.
Skin contact: In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.
Eye contact: In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Ingestion: Consult a doctor immediately.
Rinse out mouth and give plenty of water to drink.
Advice to doctor: Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media: Dry sand.
Metal fire-ex powder.
Extinguishing media that must not be used:
Water, Foam.
Carbon dioxide.
Dry powder.
Special exposure hazards arising from the substance or preparation itself or combustion products:
Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:
Use self-contained breathing apparatus.
Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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6 Accidental release measures

- Personal precautions:** Keep away from all sources of ignition.
Ensure adequate ventilation.
Keep people away and stay on the upwind side.
Use breathing apparatus if exposed to dust.
Use personal protective equipment.
- Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up:** Protect from water.
Take up mechanically.
Avoid raising dust.
Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

- Advice on safe handling:** Provide vacuuming if dust raised.
Suitable industrial vacuum cleaners or central vacuuming equipment must be used for taking up dust.
Avoid the formation and deposition of dust.
- Advice on protection against fire and explosion:**
Keep away from all sources of ignition - Refrain from smoking.
Dust can form an explosive mixture with air.
- Requirements for storage rooms and vessels:**
Keep only in original container.
- Advice on storage compatibility:** Keep away from water.
Do not store together with acids and oxidizing agents.
Do not store with combustible materials.
- Further information on storage conditions:**
Keep container tightly closed.
Store in a dry place.
Protect from atmospheric moisture and water.
Keep container in a well-ventilated place.

8 Exposure controls / personal protection

- Additional advice on system design:**
Ensure adequate ventilation on workstation.
- Ingredients with occupational exposure limits to be monitored:**
not applicable
- Respiratory protection:** Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, filter P2.
- Hand protection:** Nitrile, >480 min (EN 374).
- Eye protection:** Safety glasses.
- Skin protection:** light protective clothing
- General protective measures:** Avoid contact with eyes and skin.
Do not inhale dust.
- Hygiene measures:** Do not eat, drink, smoke or take drugs at work.
Remove contaminated soaked clothing immediately and dispose of safely.
Clean skin thoroughly after work, apply skin cream.
Wash hands before breaks and after work.
Use barrier skin cream.
- Delimitation and monitoring of the environmental exposition:**
not determined

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9 Physical and chemical properties

Form:	powder
Color:	silver-grey
Odor:	odourless
pH-value:	not applicable
pH-value [1%]:	not determined
Boiling point [°C]:	1107
Flash point [°C]:	not applicable
Flammability [°C]:	> 450
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	0,1 (621°C)
Density [g/ml]:	~ 1,74
Density at [°C]:	20°C
Bulk density [kg/m³]:	300 - 400
Solubility in water:	reacts with water
Partition coefficient [n-octanol/water]:	not applicable
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	~ 650
Autoignition temperature [°C]:	not determined
Decomposition temperature:	not applicable

10 Stability and reactivity

Hazardous reactions:	Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. Reactions with water, with formation of hydrogen. Contact with water or moisture liberates flammable gases. Reactions with acids, alkalies and oxidizing agents.
Hazardous decomposition products:	Hydrogen.

11 Toxicological information

Acute oral toxicity:	LD0 dog 230 -280 mg/kg
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	Slight irritant effect - does not require labelling.
Irritant effect on skin:	Slight irritant effect - does not require labelling.
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	none

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12 Ecological information



Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not applicable
Bacteria toxicity:	not determined
Biological degradability:	not applicable
COD:	not determined
BOD 5:	not determined
AOX-advice:	No dangerous components.
2006/11/EC:	No dangerous components.
General information:	none

13 Disposal considerations

Product:	For recycling, consult manufacturer.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	060499

14 Transport information

Classification according to ADR:	UN 1418 Magnesium powder 4.3 (4.2), II
- Classification Code:	WS
- Label:	 
- ADR LQ	LQ11: 0,5kg
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 2 (D/E)

Classification according to IMDG:	UN 1418 Magnesium powder 4.3 (4.2), II
- EMS:	F-G, S-O
- Label:	 
- IMDG Limited Quantities:	LQ: 0 kg


Classification according to IATA:	UN 1418 Magnesium powder 4.3 (4.2), II
- Label:	 

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15 Regulatory information

Exposure scenario:	not determinated
Chemical safety report:	not determinated
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	 Highly flammable
Contains:	Magnesium powder, EINECS: 231-104-6, EC-labelling
R-phrases:	R 15: Contact with water liberates extremely flammable gases.
S-phrases:	S 7/8: Keep container tightly closed and dry. S 43.7: In case of fire, use Metal fire-ex powder or dry sand, never use water.
Special labelling:	none
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
NATIONAL REGULATIONS	EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

R-phrases (Chapter 03):	R 15: Contact with water liberates extremely flammable gases. R 17: Spontaneously flammable in air.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	not applicable
Customs Tariff:	not determinated

Disclaimer: 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.