



Trade name: Magnesium pulv

Substance number: 065270

Version: 1 / CH

Date revised: 25.06.12

Replaces Version: - / CH

Date of printing: 25.06.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Magnesium pulv

Item-No.

06527000

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no.

0041 (0)71 353 58 58

E-mail address of

sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Water-react. 1 H260

Pyr. Sol. 1 H250

Classification in accordance with EC directives

Classification F, R15-R17

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H260

In contact with water releases flammable gases which may ignite spontaneously.

H250

Catches fire spontaneously if exposed to air.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

R phrases

15

Contact with water liberates extremely flammable gases.

17

Spontaneously flammable in air.

S phrases

1

Keep locked up.

2

Keep out of the reach of children.



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43.5 In case of fire, use extinguishing powder or sand. Never use water.
43.6 In case of fire, use foam.
7/8 Keep container tightly closed and dry.

3. Composition/information on ingredients

Hazardous ingredients

Magnesium powder (pyrophoric)

CAS No. 7439-95-4

EINECS no. 231-104-6

Concentration >= 50 %

Classification F, R15-R17

Classification (Regulation (EC) No. 1272/2008)

Water-react. 1 H260

Pyr. Sol. 1 H250

4. First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After ingestion

Induce the patient to vomit of his own accord only if fully conscious. Take medical treatment. Rinse mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

Coughing, Shivering, Shortness of breath, Vomiting, Headache, Nausea, Fever, Gastrointestinal complaints

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

D powder, Dry powder, Dry sand

Non Suitable extinguishing media

Water, Carbon dioxide, Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

6. Accidental release measures



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6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove persons to safety. Avoid dust formation. Use personal protective clothing. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Send in suitable containers for recovery or disposal. To pick up dry. Pick up mechanically.

6.4. Reference to other sections

Information regarding Safe handling, see chapter 7.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Exhaust ventilation at the object is necessary.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges.

7.2. Conditions for safe storage, including any incompatibilities

VCI storage category

VCI storage category 4.3 Substances that form flammable gases in contact with water.

Further information on storage conditions

Protect from atmospheric moisture and water. Keep container tightly closed, cool and dry. Keep under inert gas.

8. Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Wash contaminated clothing before reuse. Wash hands before breaks and after work.

Respiratory protection

Dust mask; Particle filter half mask, filter P3 - Norm NF EN 149

Hand protection

Chemical resistant gloves

Eye protection

Safety glasses

Body protection

Protective clothing

9. Physical and chemical properties



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9.1. Information on basic physical and chemical properties

Form	Powder		
Colour	grey		
Odour	odourless		
pH			
Remarks	Not applicable		
Melting point			
Value	648		°C
Boiling point			
Value	1090		°F
Flash point			
Remarks	No data available		
Flammability			
Flammable.			
Vapour pressure			
Value	1		hPa
Temperature	621	°C	
Density			
Value	1.74		g/cm ³
Temperature	25	°C	
Solubility in water			
Remarks	Reacts with water		
Ignition temperature			
Value	510		°C

10. Stability and reactivity**10.4. Conditions to avoid**

Protect from atmospheric moisture and water. Do not use a full water jet - danger of dust explosion !
Heat. Flames. Sparks

10.5. Incompatible materials

Exothermic reaction with acids. Water, Reactions with acids. Strong oxidising agents, Halogens, Contact with water or moisture liberates flammable gases.

10.6. Hazardous decomposition products

In the event of fire the following can be released: Toxic metal oxide fumes

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks No data available

Acute dermal toxicity

Remarks No data available

Skin corrosion/irritation

Remarks No data available

Serious eye damage/irritation

Remarks No data available



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Sensitization

Remarks No data available

Mutagenicity

Remarks No data available

Reproduction toxicity

Remarks No data available

Carcinogenicity

valuation No negative effects

12. Ecological information**12.6. Other adverse effects****General information / ecology**

Ecological data are not available.

13. Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

Packaging that cannot be cleaned should be disposed off as product waste.

14. Transport information**Land transport ADR/RID****14.1. UN number**

UN 1418

14.2. UN proper shipping name

MAGNESIUM POWDER

14.3. Transport hazard class(es)

Class 4.3

Label 4.3 4.2

14.4. Packing group

Packing group II

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1418

14.2. UN proper shipping name

MAGNESIUM POWDER

14.3. Transport hazard class(es)

Class 4.3

Subsidiary risk 4.2

14.4. Packing group

Packing group II

Air transport ICAO/IATA**14.1. UN number**



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14.2. UN proper shipping name

MAGNESIUM POWDER

14.3. Transport hazard class(es)

Class 4.3

Subsidiary risk 4.2

14.4. Packing group

Packing group II

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

15 Contact with water liberates extremely flammable gases.

17 Spontaneously flammable in air.

Hazard statements listed in chapter 3

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.