



Trade name: Magnesii chloridum 4,5-hydricum

Substance number: 065240

Version: 1 / CH

Date revised: 26.03.12

Replaces Version: - / CH

Date of printing: 26.03.12

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

1.1. Product identifier

Magnesii chloridum 4,5-hydricum

Item-No. 06524000

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

Use of the substance/preparation

industry

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

2.2. Label elements

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

The product does not require a hazard warning label in accordance with EC Directives.

2.3. Other hazards

No special hazards have to be mentioned.

3. Composition/information on ingredients

Substance / product identification

CAS-Nr. 56491-84-0

EINECS-Nr. 232-094-6

Molecular weight

Value 176.3 g/mol

4. First aid measures

4.1. Description of first aid measures

General information

Adhere to personal protective measures when giving first aid.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

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



Trade name: Magnesii chloridum 4,5-hydricum

Substance number: 065240

Version: 1 / CH

Date revised: 26.03.12

Replaces Version: - / CH

Date of printing: 26.03.12

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Do not induce vomiting. Summon a doctor immediately. Rinse out mouth and give plenty of water to drink.

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

Nausea, Vomiting

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

5. Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

Development of toxic gases; In the event of fire the following can be released: Hydrogen chloride (HCl); Chlorine (Cl₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

No special measures required.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep away unprotected persons. Avoid dust formation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Information regarding Safe handling, see chapter 7. Information regarding Waste Disposal, see chapter 13.

7. Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.



Trade name: Magnesii chloridum 4,5-hydricum

Substance number: 065240

Version: 1 / CH

Date revised: 26.03.12

Replaces Version: - / CH

Date of printing: 26.03.12

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in unopened original container.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container in a well-ventilated place. Store in a dry place. Protect from atmospheric moisture and water. Product is hygroscopic.

8. Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Avoid inhalation of dusts.

General protective and hygiene measures

Observe the usual precautions when handling chemicals. Avoid contact with eyes and skin. Do not inhale dust/fumes/mist. Provide washing facilities at the place of work. Wash hands before breaks and after work. At work do not eat, drink, smoke or take drugs.

Respiratory protection

At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Gloves
Appropriate Material rubber

Eye protection

Safety glasses

Body protection

protective overalls

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid
Form	crystalline
Colour	colourless to white
Odour	characteristic

pH

Value	5.5	to	7.0
Concentration/H ₂ O	5	%	

Melting point

Value	126	°C
-------	-----	----

Boiling point

Value	216	°C
-------	-----	----

Flash point

Remarks Not applicable

Flammability

Not applicable

Vapour pressure



Trade name: Magnesii chloridum 4,5-hydricum

Substance number: 065240

Version: 1 / CH

Date revised: 26.03.12

Replaces Version: - / CH

Date of printing: 26.03.12

Remarks Not determined

Vapour density

Remarks Not determined

DensityValue 1.57 g/cm³
Temperature 20 °C**Solubility in water**Value 117 to 118 g/m³**Viscosity**

dynamic

kinematic

9.2. Other information**Other information**

The product is not dangerous for explosions.

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

Heat. Keep away from sources of heat and ignition. Protect from atmospheric moisture and water.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Toxic gases/vapours, In the event of fire the following can be released: Hydrogen chloride (HCl), Chlorine

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**Species rat
LD50 7000 mg/kg**Skin corrosion/irritation**

Remarks slightly irritating (skin)

Serious eye damage/irritation

Remarks slightly irritating (Eye)

Sensitization

Remarks No sensitisation effect known.

Other informationBy appropriate use of the product no health damage is known.
Observe the usual precautions for handling chemicals.**12. Ecological information****12.1. Toxicity****Fish toxicity**

Remarks No data available.

12.2. Persistence and degradability



Trade name: Magnesii chloridum 4,5-hydricum

Substance number: 065240

Version: 1 / CH

Date revised: 26.03.12

Replaces Version: - / CH

Date of printing: 26.03.12

General information

No data available

12.6. Other adverse effects

General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

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

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

15. Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

16. Other information

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.