

1. Product Identification.

Product Name: Magnesium Hydroxide extra pure Ph Eur, BP, USP.

2. Composition/ Information on Ingredients.

CAS No: 1309-42-8
M: 58.33 g/mol
EINCES No: 215-170-3
Formula hill: H_2MgO_2
Chemical formula: $Mg(OH)_2$

3. Hazards Identification.

Hazard description: Not applicable.

4. First Aid Measures.

General information: No special measures required.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: If symptoms persist consult doctor.

5. Fire Fighting Measures.

Suitable extinguishing media: CO_2 , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6. Accidental Release Measures.

Person-related safety precautions: Not required.

Environmental protection measures: Do not allow enter sewers/surface or ground water.

Procedures for cleaning/absorption: Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

Additional information: No dangerous substances are released.



7. Handling & Storage.

Handling: No special measures required.
Storage: No special measures required.

8. Exposure Controls and Personal Protection.

Personal protective equipment:

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

Respiratory protection: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.

9. Physical and Chemical Properties.

Form: Solid.
Colour: Colourless.
Odour: Odourless.
pH value: 9.5 – 10.5 (slurry)
Melting point: not available.
Boiling point: not available.
Ignition temperature: not available.
Flash point: not available.
Explosion limits lower: not available.
 upper: not available.
Density (20 °C): 2.38 g/cm³
Bulk density: ~ 350 – 600 kg/m³
Solubility in water (18 °C): 0.009 g/l
 in diluted acids (20 °C): soluble.
Thermal decomposition: 350 °C.



10. Stability & Reactivity.

Conditions to be avoided: No decomposition if used according to specifications.
Dangerous reactions: No dangerous reactions known.
Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological Information.

Primary irritant effect: On the skin: No irritant effect.
On the eye: No irritating effect.
Sensitization: No sensitizing effect known.

Additional toxicological info: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to classification according to the latest version of the EU lists.

12. Ecological Information.

General notes: Water hazard class 1 (German Regulation)(Self-assessment): slightly hazardous for water. Do not allow undiluted product or larger quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations.

Product: There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact with the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging: Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport Information.

Not dangerous according to the above specifications.

15. Regulatory Information.



Labeling according to EU guidelines: The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals.

Water-hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. Other Information.

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