

## Technical datasheet

### ManMag MH 500

**ManMag MH 500** is a high purity Magnesium Hydroxide, produced from sea water through a specific precipitation process. It is specifically suitable for use as a halogen-free flame retardant for plastic and elastomer compounds. The product could also be used for chemical applications with low impurity requirements.

The ManMag MH 500 is also available as coated (ManMag MH 500C).

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#### Composition (typical):

Mg(OH) <sub>2</sub>	99 % min
Calcium as CaO	0.5 %
Iron as Fe <sub>2</sub> O <sub>3</sub>	0.05 %
Silicon as SiO <sub>2</sub>	0.3 %

L.O.I. (Loss of ignition 950 °C)	≈ 31 %
Moisture content	0.15 %

#### Physical Properties (typical):

Loose bulk density, g/lit	200
Median particle size, µm	1.7
Sieve residue, > 45 µm	0.2 %
BET surface area, m <sup>2</sup> /g	7

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**Packaging:**

- 25 kg bags, double layered palletized
- Big Bags (approximately 800 kg)
- Bulk

**Storage:** The product should be stored dry and protected from moisture.

**Shelf life:** providing the bag's are closed and stored in dry and moist free conditions guarantee can be given for 6 months.

#### Other information:

- All information is based on data available at the date of issue.
- This datasheet is an uncontrolled copy which will not be updated automatically.
- No guarantee is implied or expressed regarding the use of the product, since the conditions for use are beyond our control.

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