

# Product Information

## Magnesium Hydroxide GS 1.5

### Product Description:

Magnesium hydroxide GS 1.5 is a powder composed of a high purity natural magnesium hydroxide that is coated with stearic acid. Magnesium hydroxide has flame retardant and smoke suppressing properties. The stearic acid coating results in improved dispersion of particles and lower viscosity fluids.

### Applications:

Magnesium hydroxide GS 1.5 is used as a flame-retardant filler in thermoplastic, thermosetting and rubber compounds. It can be used in plastic and rubber compounds used in cable insulation, insulation plastics, roofing and flame-retardant coatings.

### Chemical Formula:

$Mg(OH)_2$

### CAS No. :

1309-42-8

### Specifications:

Parameters (units)	Specifications
Specific gravity, approx.	2.36
Loosed bulk density, approx. (g/cm <sup>3</sup> )	0.35
Tapped bulk density, approx. (g/cm <sup>3</sup> )	0.50
Decomposition temperature, approx. (°C)	350
BET surface area, approx. (m <sup>2</sup> /g)	9
Moisture, approx. (%)	0.35
Residue retained on 44 µm sieve, approx. (%)	0.01

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## Packaging:

Material packaging options are available upon enquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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