



Specialized in chemicals

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## Technical Data Sheet

### Basic information

Chemical name	Magnesium oxide light	Formula	MgO
Synonyms	MgO	Chemical structure	<chem>HMg=O</chem>
CAS.No.	1309-48-4		
EINECS No.	215-171-9		
Molecular weight	40.3		

### Physical properties

Appearance	White Fine Powder
Density,20°C, g/cm <sup>3</sup>	3.58
Boiling point,°C	3600
Melting point,°C	2852
Flash point,°C	3600
Refractive index	1.736
Solubility	Soluble in acid and ammonium salt

### Specification

Items	Industry grade	USP32 grade
Appearance	White Fine Powder	White Powder
Magnesium Oxide,%	98.0%min.	≥97.0
Calcium Oxide (CaO),%	0.1max.	≤2.0
Surface Water,%	0.8max.	/
Acid Insolubles,%	0.05max.	≤0.1
Iron,ppm	60max.	≤0.1
Loss on ignition,%	2.0max.	/
Chloride,%	0.1max.	≤0.1
Sulphates,%	0.2max.	≤0.1
Arsenic,%	3max.	/
Heavy Metals (as Pb),	20max.	/
Bulk density,g/cm <sup>3</sup>	0.2max.	/

### Application

Industry field	Raw material of rubber, cable & wire, dyeing, grease, glass-ceramic.
Pharm. or food field	Used to balance the acidity in pharmaceutical drugs use and food application.

### Package

- 25kg/bag, 10mt per 20'ft(light);
- 25kg/bag, 15mt per 20'ft(heavy);



### **Safety on transportation**

It belongs to common goods, always refer to MSDS.

### **Storage and handling**

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

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