



DATE: JULY, 2024.
VERSION: 010

MAGNESIUM HYDROXIDE

1. TECHNICAL SPECIFICATION

Product Name	Magnesium Hydroxide	
Model	M-3	M-5
Mg(OH) ₂ %	89.9min.	89.9min.
Hydrochloric acid insoluble substance %	≤5.0	≤5.0
Calcium oxide (CaO) %	≤1.8	≤1.8
Iron oxide (Fe ₂ O ₃) %	≤0.6	≤0.6
H ₂ O %	≤0.5	≤0.5
Whiteness %	≥90	≥89
Particle Size D ₅₀ μm	3.0~4.5	4.6~6.0
Loss On Ignition %	30±1	30±1



Product Name	Magnesium Hydroxide	
	MH-1	MH-3
Model		
Mg(OH) ₂ %	98.0min	98.0min
Hydrochloric acid insoluble substance %	≤0.10	≤0.10
Calcium oxide (CaO) %	≤0.05	≤0.05
Iron oxide (Fe ₂ O ₃) %	≤0.03	≤0.03
H ₂ O %	≤0.5	≤0.5
Whiteness %	≥96	≥95
Particle Size D ₅₀ μm	<2.8	3.0~4.0
Loss On Ignition %	30±2	30±2

*The norm is given as uncoated product.

3.PACKAGING & STORAGE

M-5: 25KG/BAG, PALLETIZED, 16MT/20'GP
M-3: 25KG/BAG, PALLETIZED, 14MT/20'GP
MH-1/MH-3: 20KG/BAG, PALLETIZED, 12MT/20'GP

THE PRODUCT SHOULD BE STORED UNDER DRY AND CLEAN CONDITIONS IN ITS ORIGINAL PACKING.THE MOISTURE MAY INCREASE IF NOT UNDER DRY CONDITION.

4.SHIPPING INFORMATION

ADDRESS: SOUTH OF INNOVATION STREET EAST EXTENSION, HI - TECH ZONE, YUCHENG, DEZHOU CITY, SHANDONG, CHINA



TRANSPORTATION CLASSIFICATION: NOT REGULATED FOR TRANSPORTATION

5.APPLICATION FIELD

USED AS FLAME RETARDANT FILLER FOR POLYMERIC MATERIALS FOR ACHIEVING OF HIGH OXYGEN INDEX(LOI), AND FOR ENSURING OF THE ABSORPTION OF SMOKE AND TOXIC GASES.

THE LARGEST INDUSTRIAL APPLICATION OF $Mg(OH)_2$ IS FLAME RETARDANTS FOR ARTICLES SUCH AS ROOFING, ISOLATION MATERIALS, PLASTIC ARTICLES AND COATINGS.

6. CHEMICAL REGISTRATION NUMBERS

CAS NO.: 1309-42-8

EINECS NO.: 215-170-3