

Magnesium Nitrate

Specifications

Property	Value
CAS Number	10377-60-3; 15750-45-5 (Dihydrate); 13446-18-9 (Hexahydrate)
Molecular Formula	$\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight	256.40
Other Names	Nitromagnesite
Appearance	Colorless, transparent monoclinic crystal
Purity	98.0% min
Iron (Fe)	0.001% max
Heavy Metal (Pb)	0.002% max
Water Insoluble Matter	0.05% max
pH (1% solution)	4

Applications

Magnesium Nitrate Hexahydrate is a colorless crystal of monoclinic system. It is soluble in water, methanol, and alcohol. It is likely to spontaneously combust if mixed with organic chemicals. Magnesium Nitrate is mainly used in concentrated nitric acid as a dehydrator for the production of explosives, catalysts, and other magnesium salts. It is also used as an incineration agent for wheat.

Packaging

Packaged in 25/1000kg net weight polypropylene or polyethylene plastic bags, or as required by customer.

Storage and Handling

Store in a dry and cool place, away from incompatible materials. Shelf life: 1 year. Avoid contact with eyes, skin, and clothing. Wear protective articles as appropriate. In case of contact, rinse cautiously with water for several minutes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Consult a physician immediately if swallowed.