

Technical Data Sheet

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Item Name:

NMH

PRODUCT INFORMATION

Chinese Name:	六水硝酸镁
Commodity Name:	NMH
Chemical Name:	Magnesium Nitrate Hexahydrate
Other Name:	Magnesium Meta, Dusicnanhorecnaty, Magnesium Atomic Absorption Standard
CAS No.:	13446-18-9
Molecular Weight:	256.401
Molecular Formula:	$Mg(NO_3)_2 \cdot 6H_2O$

PRODUCT DESCRIPTION

Easily be soluble in hot water, and soluble in cold water, methanol, ethanol, liquid ammonia. Its aqueous solution is neutral. When mixed with organic matter it will be autoignition with explosion danger. Stable. Strong oxidizer-contact with organic material may lead to fire. Do not store near combustible materials. Incompatible with combustible materials, organics, strong reducing agents.

TECHNICAL SPECIFICATION

Index	Normal	Superior
Appearance	Colorless transparent orthorhombic crystal	
Magnesium nitrate by wt %	98 min	99 min
MgO by wt %	-	15.8 min
N by wt %	-	10.8 min
Water insoluble by wt %	0.05 max	0.05 max
Fe by wt %	0.001 max	0.001 max
Heavy metal by wt %	0.002 max	0.002 max
pH Value	4	6.5 - 7.5

MAIN APPLICATION

Used for analysis reagent, catalyst, wheat ashing agent, manufacturing of magnesium salt. Used as a strong oxidizer.
Used as water purifier in water treatment industry.
Used as dehydrating agent for concentrated nitric acid.
Used as materials in the manufacture of explosives, fireworks and other nitrates.

PACKING AND SHELF LIFE

Packing: 25kg PP Bag with PE Liner

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.