

Technical Data Sheet

 **NAEWAI CORPORATION**

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Magnesium nitrate

Product Identification

Product name : Magnesium nitrate
Chemical Formula : $Mg(NO_3)_2 \cdot 6H_2O$
CAS No. : 13446-18-9

Physical and Chemical Properties

Property	Value / Description
Purity	98% min
Physical State	Solid
Color	Colorless
Specific gravity	1.46 g/cm ³
Melting Point	89 °C
Boiling Point	330 °C
Solubility in Water	420 g/l at 20 °C
Stability	Stable under normal conditions, hygroscopic, decomposes at high temperatures
Reactivity	Strong oxidizing agent, releases nitrogen oxides upon heating

Applications

Nitrogenous fertilizer, pyrotechnics, ceramics, printing inks, reagent in chemical analysis, concentrate and purify nitric acid, oxidizing agent, catalyst in magnesium oxide production, anti-freeze preparation, water treatment, corrosion inhibitor

Packing

25kg net in sealed containers

Shipping Regulations

UN No.1474

Safety Information

May intensify fire; oxidizer.