



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL
CHEMICALS · SINCE 1997

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TECHNICAL DATA SHEET

Magnesium Nitrate (*Hexahydrate*, *98% Technical Grade*)

DOC SPC-TDS-PWD-034

Rev 01 · 10 June 2026

CAS **13446-18-9**

HSN **2834 29 20**

GRADE **Technical – 98.0% min (hexahydrate)**

MANUFACTURED BY

Commercial grade

Manufacturer confirmed per consignment. Supplied and distributed by Supreme Petro Chemicals, Chennai.

NO	PARAMETER	UNIT	SPECIFICATION
01	Magnesium Nitrate Hexahydrate, Mg(NO ₃) ₂ ·6H ₂ O	% mass	98.0 min
02	Appearance	—	White crystals
03	pH (aqueous solution)	—	Approx. 6.0
04	Melting Point	°C	89
05	Decomposition Temperature	°C	Approx. 330
06	Density at 20 °C	g/cm ³	1.46
07	Solubility in Water	—	Very soluble; verify from supplier COA for specific grade
08	Moisture / Water Content	—	Verify from supplier COA for specific grade
09	Water-Insoluble Matter	—	Verify from supplier COA for specific grade

HANDLING

Oxidiser — Ox. Sol. 3 (H272), may intensify fire. Eye Irrit. 2 (H319). Keep away from combustibles, organics, reducing agents and acids. Transport classification varies by source — confirm with carrier.

PACKAGING (AS SUPPLIED)

25 kg HDPE bags, palletised

For current pricing, availability or a Certificate of Analysis for Magnesium Nitrate: call or WhatsApp **+91 81979 47045 · +91 86087 80096**, or see Supremepetrochemicals.com/products/magnesium-nitrate. Quotes are typically answered within 4 working hours (Mon–Sat).

All specification values in this document are reproduced from the commercial 98% hexahydrate grade specification, with physical values from published supplier Safety Data Sheets, cross-checked against the manufacturer's published documentation and Certificate of Analysis. Supreme Petro Chemicals provides this Technical Data Sheet in good faith for reference only and accepts no liability for errors, omissions, or subsequent revisions by the manufacturer; the manufacturer's current documentation prevails. This is not a Certificate of Analysis — a batch-specific CoA accompanies every consignment.