

MAGNESIUM CHLORIDE HEXHYDRATE
REAGENTS GRADE (LR/AR/ACS)
TECHNICAL DATA SHEET**SYNONYMS**

Magnesium Dichloride Hexahydrate, Magnogene, Chlorure de magnesium hydrate

CHEMICAL STRUCTURE AND IDENTITY

Molecular formula	MgCl ₂ ·6H ₂ O
Molecular weight	203.3 g/mol
CAS number	7791-18-6
EINECES number	232-094-6
HS code	28273100

SPECIFICATIONS

Appearance	White crystalline powder
Assay	98% to 102%
Insoluble matter	0.003%
Nitrate	0.001%
Calcium	0.002% Maximum
Sulphate	0.002% Maximum
Ammonium	0.002% Maximum
Barium	0.005% Maximum
Phosphate	0.0005% Maximum
Calcium	0.002% Maximum
Manganese	0.0005% Maximum
Potassium	0.005% Maximum
Sodium	0.005% Maximum
Heavy Metals (As Pb)	0.0005% Maximum
Iron	0.0002% Maximum
Copper	0.0002% Maximum
Lead	0.0002% Maximum
Zinc	0.001% Maximum
pH	4.5 to 7.0

PHYSICAL PROPERTIES

Boiling Point	1412 °C
Melting Point	117 °C
Density	1.56 g/cm ³

DESCRIPTION

Magnesium chloride is characterized by white to pale yellow crystalline appearance and odorless smell. Soluble in Water and Alcohol.

PACKAGING

Available in 5kg, 25kg and 50kg bags. Other packaging may be considered on request.

STORAGE AND HANDLING

Handle in accordance with good industrial hygiene and safety procedure. Store in cool place. Keep container tightly closed in dry in well ventilated placed. Protected from humidity, water, heat and direct sun light. Isolate from oxidizing materials.

SAFETY

Wear protective clothing specified for normal operations. Do not eat, smoke and drink where material is handled, process and stored. Safety shower and eye bath should be provided.

FIRST AID MEASURES

General: Never give anything by mouth to unconscious person. If you feel unwell, seek medical advice.

Inhalation: Allow victim to breath fresh air, Allow the victim to rest.

Skin contact: Remove affective clothing and wash all the exposed skin area with mild soap and water. Followed by warm water rinse.

Eye contact: Rinse immediatly with plenty water. Obtain medical attention if pain, blinking or redness persists.

Ingestion: Rinse mouth. Do not induce vomiting, obtain emergency medical attention.

SPILL AND DISPOSAL

Carefully scoop up spilled material and flush remnant away with water. Dispose in a safe manner is accordance with local/national regulation. Avoid release to the environment.

CONTACT

E-mail Info@jivikachem.com

Website www.jivikachem.com

📍 Corporate Office :

709, Shivalik Shilp, Iskon Cross Road,
Ahmedabad - 380015, Gujarat, India.

☎ +91-79-48997541

✉ info@jivikachem.com

📍 Factory :

At Kidi, Halvad - 363330, Gujarat, India

🌐 www.jivikachem.com

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