

MAGNESIUM CHLORIDE HEXAHYDRATE
TECHNICAL GRADE
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 to Pale Yellow Flakes and Crystals
Assay	98% to 99.5%
Magnesium	10% to 12%
Chloride	34% to 36%
Calcium	0.2% Maximum
Sulphate	0.05% Maximum
pH	4.5 to 7.0

PHYSICAL PROPERTIES

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

DESCRIPTION

It is White to Pale Yellow, Odourless, and Deliquescent Flakes or crystals. Soluble in Water and Alcohol.

PACKAGING

Available in 25kg, 50kg and 1 tonne jumbo 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.

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