



TECHNICAL DATA SHEET

Product Name: Magnesium Chloride

Chemical Formula: $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$

CAS Number: 7791-18-6

EINECS Number: 232-094-6

Molecular Weight: 203.30 g/mol

Description:

Magnesium Chloride Technical Grade is a white to light grey crystalline solid with strong hygroscopicity. It is commonly used in industrial applications such as dust control, de-icing, wastewater treatment, textiles, and construction materials.

Typical Specifications:

Parameter	Specification
Appearance	White or greyish flakes/crystals
Purity ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$)	$\geq 98.0\%$
Magnesium Chloride (MgCl_2)	$\geq 46.0\%$
Calcium (Ca^{2+})	$\leq 0.15\%$
Sulfate (SO_4^{2-})	$\leq 2.80\%$
Water Insoluble substances	$\leq 0.10\%$
pH (5% solution at 25°C)	6.0–8.0
Heavy Metals (as Pb)	$\leq 0.002\%$

Applications:

Dust control and road stabilization

De-icing and snow melting agent

Wastewater treatment coagulant

Fireproofing materials

Textile and paper industries

Production of magnesium compounds

Packaging:

25 kg plastic woven bag with PE liner

1000 kg jumbo bag

Customized packaging available upon request

Storage & Handling:

Store in a dry, ventilated warehouse.

Avoid contact with water or moisture to prevent caking.

Use protective gloves and goggles during handling.

Shelf Life:

2 years under recommended storage conditions.

