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## Typical Product Specifications & Properties

# Magnesium Chloride hexahydrate

CAS Number: : 7786-30-3

Specifications	Limits
Density	2.325
Fe	< 0.0003 %
Na <sub>2</sub> CO <sub>2</sub>	< 0.00001 %
SO <sub>4</sub>	<0.002 %
Heavy Metals, as Pb	< 0.0005 %`
Bulk Density	650 g/l
Barrium & Strontium	(as Ba) : Complies
Insoluble Matter	< 0.0005 %
Dropping Point	160 °C
Content	98 - 100 %
Acidity & Alkalinity	Complies
Solubility (grams/100 g water) at 100°C	In Water (20 °C) : 167 g/l



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Specifications	Limits
Ca Content	< 0.006 %
pH (1 in 20 aqueous solution)	4.5 - 7.0
Arsenic PPM	< 0.0001 %
Odor	odorless
Melting Point	708 c
Molecular weight	95.21
Solubility	alcohol
Boiling Point	1412 c
Chemical Structure	<p>The diagram shows a central Magnesium (Mg) atom coordinated to two Chloride (Cl) ions and six Water (H<sub>2</sub>O) molecules. The water molecules are arranged in two octahedral planes around the magnesium ion. The parchem logo and 'fine &amp; specialty chemicals' text are overlaid on the diagram.</p>



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