

**Datasheet:**

Date of issue: 01-07-08

Revision no. 3

## Magnesium Chloride

Chemical description:	magnesium chloride hexahydrate
Chemical formula:	MgCl <sub>2</sub> x 6 H <sub>2</sub> O
Mineral name:	Bischofite
Appearance:	white flakes, crystals

### Chemical Analysis:

		typical		min./max.	
MgCl <sub>2</sub>	(magnesium chloride)	47,0	%	min.	46,5 %
MgSO <sub>4</sub>	(magnesium sulphate)	0,4	%	max.	0,6 %
KCl	(potassium chloride)	0,6	%	max.	0,8 %
NaCl	(sodium chloride)	0,7	%	max.	0,9 %
CaCl <sub>2</sub>	(calcium chloride)	0,03	%	max.	0,1 %
Fe	(iron)	7	ppm	max.	15 ppm
pH	(aqueous solution 10 %)	ca. 8,7			

### Applications:

- for magnesium oxychloride cements (Sorelcement)
- in flooring and grinding stone industry
- as animal feed additive and in fertilizer mixtures
- for drilling fluids
- as dust suppressant for powders and bulk material
- as de-icing agent and as cooling liquid in cooling systems
- as base for the production of magnesium metal and other magnesium compounds

### Storage:

Magnesiumchloride is hygroscopic. Always store dry and keep bags well closed.

Please note:

- All information is based on data available at the date of issue. This datasheet is an uncontrolled copy which will not be updated automatically.
- The chemical and physical data refer to analyses of incoming raw material. Other specifications for minimum and maximum values can be given on request. Please contact our sales department.
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