

**Magnesium chloride hexahydrate**, reagent grade, ACS, ISO, Reag. Ph  
Eur**Identification**MgCl<sub>2</sub>·6H<sub>2</sub>O

M = 203,30 g/mol

CAS [7791-18-6]

EC number: 232-094-6



Taric code: 2827 31 00

**Applications**

analytical chemistry, laboratory reagent, disinfectant. Extinguishant.

**Specifications**

assay (complexometric).....	99,0 - 101,0 %	arsenic (As).....	max. 0,0002 %
identity.....	passes test	barium (Ba).....	max. 0,002 %
appearance of solution.....	passes test	calcium (Ca).....	max. 0,003 %
insoluble in water.....	max. 0,005 %	copper (Cu).....	max. 0,0005 %
pH (5 %, H <sub>2</sub> O).....	5,0 - 6,5	heavy metals (as Pb).....	max. 0,0005 %
total nitrogen (as N).....	max. 0,0002 %	iron (Fe).....	max. 0,0005 %
acidity or alkalinity.....	passes test	lead (Pb).....	max. 0,0005 %
bromides (Br).....	max. 0,05 %	manganese (Mn).....	max. 0,0005 %
nitrites (NO <sub>2</sub> ).....	max. 0,001 %	potassium (K).....	max. 0,001 %
phosphates (as PO <sub>4</sub> ).....	max. 0,0005 %	sodium (Na).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	max. 0,002 %	strontium (Sr).....	max. 0,005 %
aluminium (Al).....	max. 0,0002 %	zinc (Zn).....	max. 0,001 %
ammonium (NH <sub>4</sub> ).....	max. 0,002 %		

**Packaging****Packaging Code**250 g  MA00360250500 g  MA003605001 kg  MA003610005 kg  MA0036005P**Physical data**

- Appearance: crystals, colourless or white
- Spec. Density: ~ 1,57 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 1670 g/l
- Melting point: ~ 117 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 5,0 - 6,5

**Toxicological data**

- LD 50 (oral, rat): 8100 mg/kg
- WGK: 1
- Poison class CH (Swiss): 5