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## Product Specification Data Sheet

White to light-gray flakes or granules with yellowish to light-brown shades.

Big bags with net weight 0.5-1.0 t.

### TECHNICAL MAGNESIUM CHLORIDE

(hexahydrate magnesium chloride, magnesium chloride hexahydrous)

#### SPECIFICATION:

Fractions of magnesium ions ( $Mg^{+2}$ ) total mass, %, min	11.8
Fraction of magnesium ions ( $Mg^{+2}$ ) converted to $MgCl_2 \cdot 6H_2O$ total mass, %,min	97
Fraction of calcium chloride converted to calcium oxide (CaO) total mass, %, max	0.1
Fraction of sulfates converted to sulfate ion total mass, %, max	0.1
Fraction of alkali metals ions ( $Na^{++} K^{+}$ ) total mass, %, max	0.8
Fraction of insoluble in water residue total mass, %, max	0.2

#### Applications:

In the construction industry, for the production of magnesia cements (Sorel cements), glass magnesium boards, magnesite slabs, glass-magnesium tiles, foamed concrete (foamed magnesite), gas concrete (gas magnesite) based on magnesite cement. In the oil and gas industry as a component of drilling fluids and killing drilling muds. In the chemical industry for production of magnesium containing compounds, including magnesium oxide, hydroxide and metal, synthetic hydrotalcite, synthetic rubbers and thiocol, as well as refractories and magnesium-chlorate defoliant. In the textile industry for stabilization in carpet dyeing. In agriculture as a fertilizer. Also used for dust suppression, for treatment of sewage and industrial waste waters, for production of abrasive materials and as for the removal of ice on the roads.

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