

R.B. Chemicals & Agro Industries Pvt. Ltd.

703 Dalamal House, 206 Nariman Point, Mumbai 400 021. India
www.calibrechem.com mail@calibrechem.com Fax: 091-22-2832087

Magnesium Perchlorate Hexahydrate

(Perchloric Acid, Magnesium Salt - Hydrated)

$Mg(ClO_4)_2 \cdot 6H_2O$

M.W. 331.31

Product Data Sheet

MPC6H-00-R4

Effective 08/06/01

Appearance	:	White deliquescent crystals
Specifications	:	Magnesium perchlorate (as $Mg(ClO_4)_2$) : 66.0% w/w (minimum) Chlorides (as Cl^-) : 0.01% w/w (maximum) Chlorates (as ClO_3^-) : 0.01% w/w (maximum) Sulphates (as SO_4^{--}) : 0.01% w/w (maximum) Iron (as Fe) : 5 ppm (maximum) Water (as H_2O) : Balance
Physical Properties	:	Melting Point : 185 °C Boiling Point : - Decomposition : Starts losing water of hydration above 185 °C; decomposition starts at 251 °C. Solubility : Very soluble in water Particle Density : 1.97 grams/cc Bulk Density : 0.80 – 0.90 grams/cc
Packing	:	25 Kg net HDPE Drums with polyethylene liner bags.
Storage & Handling	:	Store in cool dry place away from direct sunlight and heat. Keep away from organic and readily oxidizable materials. In case of spillage, flush with <i>plenty</i> of water.
Uses	:	As an oxidizing agent. In chemical synthesis. In magnesium batteries (in solution form).
Shipping Information	:	CAS No. : 10034-81-8 UN No. : 1475 Hazard Class : 5.1 (Oxidizing Substance) UN Packing : Group II

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