



# Product Specification

cdhfinechemical.com

## MAGNESIUM PERCHLORATE HYDRATE

<b>PRODUCT CODE</b>	<b>145005</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(64010-42-0)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	Mg(ClO <sub>4</sub> ) <sub>2</sub> .XH <sub>2</sub> O	<b>Mg(ClO<sub>4</sub>)<sub>2</sub>.XH<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	223.21 (Anhy.)	
<b>PROPERTIES</b>	--	

<b>PARAMETER</b>	<b>LIMIT</b>
Description	White powder.
Solubility	Soluble in water.
Minimum assay (Complexometric)	82.0-83.0%
pH (5% solution in water, at 25°C)	About 8.2

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Chloride (Cl)	0.005%
Nitrate (NO <sub>3</sub> )	0.002%
Free alkali (as magnesium oxide)	0.05%
Free alkali (as perchloric acid)	0.05%

**Note(s) : Assay (if applicable) method mentioned.**

<b>DANGER</b> <b>Hazard statements:</b> May cause respiratory irritation. May intensify fire; oxidizer. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. <b>Precautionary statements</b> <b>Prevention:</b> Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat. <b>Response:</b> If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <b>Disposal:</b> The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.	IMDG Code : 5.1/II 4UN No. : 1475 IATA : 5.1
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Hazard Pictogram(s) :-  GHS03  GHS07
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Replace Date 03/07/2020