
Sodium Perchlorate Monohydrate

(Perchloric Acid, Sodium Salt - Hydrated)

NaClO₄·H₂O

M.W. 140.46

Product Data Sheet

SPM-02-R3

Effective 1/04/04

Appearance	:	White deliquescent crystals
Specifications	:	Sodium Perchlorate (as NaClO ₄ ·H ₂ O) : 98.5% (Minimum) (as NaClO ₄) : 86.0% (Minimum) Chlorides (as NaCl) : 0.1% (Maximum) Chlorates (as NaClO ₃) : 0.5% (Maximum) Sulphates (as SO ₄ ²⁻) : 0.05% (Maximum) Free Moisture (as H ₂ O) : 1.5% (Maximum)
Physical Properties	:	Melting Point : 482 °C Boiling Point : - Decomposition : Starts losing water of hydration above 130 °C; decomposition starts at 482 °C. Solubility : Very soluble in water Particle Density : 2.02 grams/cc Bulk Density : About 1.3 grams/cc

Packing - Domestic	:	25 Kg net laminated HDPE woven bags with separate inner LDPE bag.
- Exports	:	25 Kg nett certified UN performance standard HDPE bags with LDPE inner 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.
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Uses	:	In manufacture of PVC stabilizers and explosives. In chemical synthesis. In perchloric acid and other perchlorates production.
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Shipping Information	:	CAS No. : 7791-07-3 EINECS Nr. : 231 – 511 - 9 UN No. : 1502 Packing Group: II
IMDG Code:	:	Proper Shipping Name : Sodium Perchlorate Hydrate Hazard Class : 5.1 Oxidizing Substance EmS No. : 5.1-06 MFAG Table No.: 745 Label : Oxidizer 5.1 Subsidiary Risk Label : None
