



Product Specification

cdhfinechemical.com

ORTHO-PHOSPHORIC ACID

PRODUCT CODE	190630
SYNONYMS	(Phosphoric Acid)
C.I. NO.	N/A
CASR NO.	7664-38-2
ATOMIC OR MOLECULAR FORMULA	H₃PO₄
ATOMIC OR MOLECULAR WEIGHT	98.00
PROPERTIES	Store above 30°C, If becomes solid, warming to 50°C makes liquid again.



PARAMETER	LIMIT
Description	A clear viscous liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with water forming clear and colourless solution.
Minimum assay (acidimetric)	Abt. 85.0%
Wt. per ml at 30°C	About 1.70 g

MAXIMUM LIMIT OF IMPURITIES		
Chloride (Cl)		0.005%
Nitrate (NO ₃)		0.002%
Sulphate (SO ₄)		0.01%
Aluminium & Calcium		Passes test
Iron (Fe)		0.01%

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

<p>DANGER</p> <p>HAZARD STATEMENTS : Toxic if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Toxic to aquatic life. Harmful to life in the soil.</p> <p>PRECAUTIONARY STATEMENTS :</p> <p>Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Do not breathe dust or mist. Wash thoroughly after handling.</p> <p>Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. Keep container tightly closed. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>Disposal: Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water.</p>	<p>IMDG Code : 8/II</p> <p>UN No. : 1805</p> <p>IATA : 8</p>
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Hazard Pictogram(s) :--



GHS06



GHS05



GHS09

Replace date 30-May-2023