



Product Specification

cdhfinechemical.com




ORTHO PHOSPHORIC ACID FOR MOLECULAR BIOLOGY

PRODUCT CODE	970230	
SYNONYMS	--	
C.I. NO.		
CASR NO.	(7664-38-2)	
ATOMIC OR MOLECULAR FORMULA	H₃PO₄	H₃PO₄
ATOMIC OR MOLECULAR WEIGHT	98.00	
PROPERTIES	--	

PARAMETER	LIMIT
Description	A clear viscous liquid, not more than 10 hazen unit in colour.
Solubility	Miscible with water forming clear and colourless solution.
Minimum assay (Acidimetric)	85.0%
Wt. per ml (at 25°C)	About 1.70 g

MAXIMUM LIMIT OF IMPURITIES	
Chloride (Cl)	0.002%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.001%
Heavy metals (Pb)	0.002%
Absorption maxima in 1 M solution	
At 210 nm	0.07
At 220 nm	0.05
At 230 nm	0.04
At 250 nm	0.04
At 500 nm	0.02

Note(s) : Assay (if applicable) method mentioned.	
<p>DANGER</p> <p>HAZARD STATEMENTS :Toxic if inhaled. Harmful if swallowed. May becorrosive to metals. Causes severe skin burns and eye damage. Toxic to aquaticlife. Harmful to life in the soil.</p> <p>PRECAUTIONARY STATEMENTS :</p> <p>Prevention :Wash hands thoroughly after handling. Do not eat, drink or smokewhen using this product.Avoid breathing. dust/fume/gas/mist/vapours/spray. Donot breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a wellventilated 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. IFSWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh air andkeep at rest in a position comfortable for breathing.Wash contaminated clothingbefore reuse.Keep container tightly closed. Specific treatment: refer to Label orMSDS. If on skin or hair: remove/take off immediately all contaminated clothing.Rinse with water/shower. Absorb spillage to prevent material damage. Call aPOISON 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/III</p> <p>UN No. : 1805</p> <p>IATA : 8</p>

Hazard Pictogram(s) :--
  
<p>GHS06 GHS05 GHS09</p>

Replace date 03-Dec-2025