




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	H ₃ PO ₄
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%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.01%
Note(s) : Assay (if applicable) method mentioned.	
DANGER	
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.	
PRECAUTIONARY STATEMENTS :	
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.	
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.	
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.	
Hazard Pictogram(s) :--	
<div> GHS06</div> <div> GHS05</div> <div> GHS09</div>	

Replace date 1-Oct-2025