



Product Specification

cdhfinechemical.com

ORTHO-PHOSPHORIC ACID AR MANGANESE FREE

PRODUCT CODE	609725	
SYNONYMS	(Phosphoric Acid)	
C.I. NO.	--	
CASR NO.	(7664-38-2)	
ATOMIC OR MOLECULAR FORMULA	H ₃ PO ₄	
ATOMIC OR MOLECULAR WEIGHT	98.0	H ₃ PO ₄
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)	About 88.0%	
Wt. per ml at 30°C	About 1.75 g	
MAXIMUM LIMIT OF IMPURITIES		
Chloride (Cl)	0.0015%	
Nitrate (NO ₃)	0.0005%	
Silicate (SiO ₂)	0.025%	
Sulphate (SO ₄)	0.002%	
Arsenic (As)	0.0001%	
Calcium (Ca)	0.004%	
Copper (Cu)	0.0005%	
Iron (Fe)	0.0015%	
Lead (Pb)	0.001%	
Magnesium (Mg)	0.004%	
Manganese (Mn)	0.0005%	
Substances reducing permanganate	0.001%	
Volatile acids (as CH ₃).(COOH)	0.001%	
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. Do not 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		IMDG Code : 8/III UN No. : 1805 IATA : 8



Product Specification

cdhfinechemical.com

clothing. Rinse with water/shower. Absorb spillage to prevent material damage. Call a POISON 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) :



GHS06



GHS05



GHS09

Replace date 03-Dec-2025