



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	H₃PO₄	
ATOMIC OR MOLECULAR WEIGHT	98.0	H₃PO₄
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 (By GC)	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.

WARNING HAZARD DANGER Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. PRECAUTIONARY STATEMENTS Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash. thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove. Contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re- use	IMDG Code : 8/III UN No. : 1805 IATA : 8
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Disposal : The chemical should be mixed with combustile solvent and burnt in a chemical incinerator equipped with burner and scrubber

Hazard Pictogram(s) :



GHS05



GHS07