



SDFCL
s d fine-chem limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\D:\PS\20173XPS.xls
PRODUCT CODE	20173
PRODUCT NAME	ORTHOPHOSPHORIC ACID SP.GR. 1.75 AR
SYNONYMS	Phosphoric Acid AR
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 deg. C, If becomes solid, warming to 50 deg. C makes liquid again.
H₃PO₄	
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)	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 be corrosive to metals. Causes severe skin burns and eye damage. Toxic to aquatic life. Harmful to life in the soil. PRECAUTIONARY STATEMENTS : 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. 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.			IMDG Code : 8/III UN No. : 1805 IATA : 8	
Disposal : ---				
Hazard pictogram(s) :    Acute toxicity Corrosive to metals Hazardous to the aquatic environment				
Prepared By : MANISH PATEL Name/Dept. : Officer (Q.A.) Sign. : Date : 04/08/2011	Checked By: K.B.DESAI Name/Dept. : Incharge(Q.A.) Sign. : Date : 04/08/2011	Approved By: S.S.TOLIA Name/Dept. : Incharge (Tech.) Sign. : Date : 16/08/2011	Issue Date : 01/07/2002 Revision No. : 02 Revision dt. : 16/08/2011 AMEND NO. : P072	