



SDFCL
s d fine-CHEM LIMITED

Quality Control Dept.



Product Specification

E Control	QC2\DATAD\DA\PS\20308XPS.xls
PRODUCT CODE	20308
PRODUCT NAME	HYDROFLUORIC ACID 48% AR,ACS
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	7664-39-3
ATOMIC OR MOLECULAR FORMULA	HF
ATOMIC OR MOLECULAR WEIGHT	20.01
PROPERTIES	It attacks glass or stoneware, dissolving the silica.

HF

PARAMETER	LIMIT
Description	A clear liquid with an acrid vapour.
Solubility	Miscible with water forming
Assay (acidimetric)	48-51%
Wt.per ml at 20 °C	About 1.15 g
MAXIMUM LIMIT OF IMPURITIES	
Residue on ignition	0.0005%
Chloride (Cl)	0.0001%
Hexafluorosilicate (SiF ₆)	0.005%
Phosphate (PO ₄)	0.00005%
Sulphate (SO ₄)	0.0002%
Sulphite (SO ₃)	0.0002%
Aluminium (Al)	0.000005%
Barium (Ba)	0.00001%
Cadmium (Cd)	0.000001%
Calcium (Ca)	0.00005%
Chromium (Cr)	0.000002%
Cobalt (Co)	0.000002%
Copper (Cu)	0.000002%
Iron (Fe)	0.00002%
Lead (Pb)	0.000005%
Magnesium (Mg)	0.00002%
Molybdenum (Mo)	0.000005%
Manganese (Mn)	0.000005%
Nickel (Ni)	0.000002%
Strontium (Sr)	0.000002%
Zinc (Zn)	0.000005%
Potassium (K)	0.00002%
Sodium (Na)	0.00002%

After use tighten the cap properly.

Note(s) : Assay (if applicable) method mentioned.

DANGER HAZARD STATEMENTS : Fatal in contact with skin. Fatal if inhaled. Fatal if swallowed. May be corrosive to metals/ Causes severe skin burns and eye damage. PRECAUTIONARY STATEMENTS : --- Response : --- Disposal : Chemical to be disposed should be added to large excess of 2% sodium hydroxide solution in a fume extraction hood. Allow hydrolysis to complete for at least 48 hours(pH<9). After neutralization, flush it to drain with large amounts of water.	IMDG Code : 8/1 UN No. : 1790 IATA : 8
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Hazard pictogram(s) :



Acute toxicity Corrosive to metals

Prepared By : DINESH Name/Dept. : Officer (Q.A.) Sign. : Date : 06/08/2010	Checked By: RAJU VYAS Name/Dept. :Incharge(Q.A.) Sign. : Date : 06/08/2010	Approved By: S.S.TOLIA Name/Dept. : Incharge (Tech.) Sign. : Date : 09/08/2010	Issue Date : 01/07/2002 Revision No. : 02 Revision dt. : 09/08/2010 AMEND NO. : P062
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