



Product Specification

HYDROFLUORIC ACID AR/ACS

PRODUCT CODE	544738
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
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Description	A clear liquid with an acrid vapour.
Solubility	Miscible with water forming clear & colourless solution.
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%



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Zinc	(Zn)	0.000005%
Potassium	(K)	0.00002%
Sodium	(Na)	0.00002%

Important : After use tighten the cap properly.

Note(s) : 1] 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

Hazard Pictogram(s) :



Acute toxicity



Corrosive to metals