



HYDROFLUORIC ACID

PRODUCT CODE	R05765
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 clear & colourless solution.
Assay (acidimetric)	39 - 43%
Wt.per ml at 20°C	1.130 - 1.140 g

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition	0.04%
Hexafluorosilicate (SiF ₆)	0.05%
Silicate (SiO ₂)	0.02%
Sulphate (SO ₄)	0.02%
Sulphite (SO ₃)	0.02%
Iron (Fe)	0.003%
Lead (Pb)	0.003%

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

Replace Date 1 April 2023

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