


DILUTE HYDROFLUORIC ACID Synonym AHF			N	Formula	HF		
				Mol.Wt.	20.01		
				U.N.No.	1790		
				CAS No.	7664-39-3		
PRODUCT SPECIFICATIONS							
Grade, HF acidity	40%	60%	70%				
Residue on evaporation, %	0.1	0.1	0.1				
H ₂ SiF ₆ , % max	0.02	0.03	0.04				
Sulfates as SO ₄	0.4	0.6	0.7				
Specific gravity	1.16	1.24	1.26				
Appearance	Colorless Fuming Liquid with pungent/ acidic odor						
Boiling range	108 °C to 66 °C (decreases with concentration)						
Solubility	Completely soluble in water						
HAZARD DATA Pl. refer MSDS for details		N	NFPA Ratings	Health 4	Flammable 0	Reactivity 0 to 1	Other 0
Hazard Class 8, 6.1			Flammability Non Flammable				
Flash Point N.A.	TWA 3 ppm	LCLo	Inh-hmn 50 ppm/30 min				
Auto Ignition N.A.	Label required	Poison! Danger! Corrosive. Causes burns.					
HANDLING/ STORAGE	Keep DHF carboy in shed away from Sun and heat. Avoid contact of liquid/ fumes with skin. Use appropriate personnel protective clothing before use. Immediately wash the affected body part with water for at least 15 min. Get medical attention.						
PACKAGING	Group III	Normal	Carboy with 35 kg DHF				
		Bulk	HM HDPE drums of 200 kgs in FCL lot.				
APPLICATION	In the pickling of stainless steel, As an etchant in the glass industry As a fluorinating agent in the synthesis of various fluoro chemicals.						