



ANHYDROUS HYDROFLUORIC ACID Synonym AHF			N		Formula	HF		
					Mol.Wt.	20.01		
					U.N.No.	1790		
					CAS No.	7664-39-3		
PRODUCT SPECIFICATIONS			PHYSICAL PROPERTIES					
Purity (GC)	99.7%	Min	Appearance		Colorless, boiling fuming liquid with pungent acidic odor			
H ₂ SiF ₆	0.05%	Max	B.P.		19.5 ⁰ C	Density	0.901	
Sulfates as SO ₄	0.15%	Max	M.P.		-83.1 ⁰ C	Vap.Pr.	776 mmHg @ 21 ⁰ C	
SO ₂	0.02%	Max	Solubility		Completely soluble in water			
Moisture (K.F)	0.04%	Max						
HAZARD DATA Pl. refer MSDS for details				NFPA Ratings	Health	Flammable	Reactivity	Other
					4	0	0	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. Extremely hazardous. Causes severe burns. May be fatal if swallowed or inhaled				
HANDLING/ STORAGE	Keep AHF cylinders in shed away from Sun and heat. Avoid contact of liquid/gas 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	Cylinder of 40 kg and 600 kg capacity				
			Bulk	ISO Container, 15 tons capacity				
APPLICATION	As an alkylation catalyst in the synthesis of LAB. As a precursor in the synthesis of various fluorochemicals.							