

Hukill Chemical Corporation
7013 Krick Road, Bedford OH, 44146
PH 440-232-9400 FX 440-232-9477

Technical Data Sheet

Hydrofluoric Acid 70%

CAS # 7664-39-3

TECHNICAL DATA

TYPICAL ANALYSIS

Hydrofluoric Acid, % weight
Sulfuric Acid (H₂SO₄), %wt
Hydrofluorosilic (H₂SiF₆), %wt
Fe (Iron), PPM
Arsenic, PPM

SPECIFICATIONS

69 To 71
0.01% Maximum
100% Maximum
10PPM Maximum
10 Maximum

PHYSICAL PROPERTIES

#/Gallon	10.30
Flash Point	none
Appearance & Odor	Colorless liquid. Sharp pungent odor.
Physical State	Liquid
Stability - Conditions to Avoid	Stable-Reactes exothermically with water.
Incompatibility	Water. Glass, concrete and other silicon-bearing materials yield silicon tetrafluoride gas.
Hazardous Decomposition	Fluorides and Hydrogen Gas on contact with certain metals. These fumes can be highly corrosive.
Polymerization - Conditions to Avoid	Will not occur-None.
Unusual Fire & Explosion Hazards	Material can generate explosive hydrogen gas on contact with certain metals and reacts violently with water. Considerable heat is generated when contacted with many substances. Pressure explosion may happen from heating of closed containers.

USES & APPLICATIONS

Aluminum production, fluorocarbons, pickling stainless steel, etching glass, acidizing oil wells, fluorides, gasoline production (alkylation), processing uranium.

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