

Hydrofluoric Acid

Aqueous hydrogen fluoride for controlled industrial etching, cleaning and fluoride-intermediate manufacture.

CAS No. 7664-39-3	EC / List No. 231-634-8	Transport Class 8 — Corrosive; subsidiary risk 6.1
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Product Information

Aqueous hydrogen fluoride for controlled industrial etching, cleaning and fluoride-intermediate manufacture.

Specifications

Parameter	Specification
Appearance	Colourless, clear liquid
Available HF concentration	30–70 %
Hexafluorosilicic acid	≤0.02 %
Sulfuric acid	≤0.02 %
Iron	≤0.005 %

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	FH
Molecular weight	20.01 g/mol

Applications

Industrial surface etching: Acid for professionally controlled glass and mineral-surface etching.

Metal cleaning and treatment: Ingredient for established industrial cleaning and surface-treatment formulations.

Fluoride intermediate production: Hydrogen-fluoride source for selected industrial fluoride chemistry.

Packaging / Storage

Item	Information
Packing	PE 20 L (25 kg), 30 L (30 kg) or 200 L drums; compatible ISO tank
Storage	Store locked, tightly sealed and ventilated in an HF-compatible storage area with secondary containment. Use qualified polyethylene or other specifically approved HF-compatible containers. Keep away from bases and incompatible metals; never use glass or silicate containers.
Shelf life	Two years in sealed original packaging under the specified storage conditions.
Handling	Use closed HF-compatible transfer with effective local extraction. Wear task-qualified HF-resistant gloves, protective clothing and full eye/face protection. Maintain emergency washing facilities and a trained HF exposure-response protocol; obtain immediate medical help after any exposure.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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