



HF Acid Product Overview

Performance You Need. Quality You Count On.

For more than 50 years, Honeywell has been the trusted source for HF Acid supply. Our high quality HF Acid is safely and reliably manufactured, transported, and delivered from our state-of-the-art Geismar, La. production facility.

The #1 Choice for HF Acid

Our production experience, robust inventory, and industry-leading railcar and truck fleet give us greater flexibility to meet your needs. Our facility in Geismar, La. is four times larger than our competitors' plants and is operated by Honeywell's highly-trained HF Acid team. We have the HF products you need, when you need them. Why settle for less?

Benefits of Using Honeywell HF Acid

- Reliable, U.S.-based production
- Robust supply chain
- Modern rail and truck fleet (Honeywell-employed drivers)
- Technical support
 - Over 1,500 customers and emergency responders trained annually
- Strategically vested – HF Acid is the foundation for Honeywell's next-generation fluorine molecules

Applications

Anhydrous HF Acid

- Fluorinated carbon compounds
- Raw materials for petrochemical and plastics industries

Aqueous HF Acid - 70% and 49% Solution

- Stainless steel and titanium pickling
- Glass etching/frosting
- Quartz purification
- Chemical milling
- Feedstock in production of chemical derivatives



	Anhydrous	Aqueous 70% Solution	Aqueous 49% Solution
Appearance	Colorless liquid, fumes in air	Colorless liquid, fumes in air	Colorless liquid
Physical State	Liquid	Liquid	Liquid
Chemical Formula	HF	70% HF in H ₂ O by weight	49% HF in H ₂ O by weight
Specific Gravity	Water=1.0)0.97 @ 70°F (21.1 °C)	Water=1.0)1.225 @ 70°F (21.1 °C)	Water=1.0)1.175 @ 60°F (15.5 °C)
Solubility in Water	100% by weight	100% by weight	100% by weight
Boiling Point	67.2 °F (19.54 °C)	151 °F (66 °C)	224 °F (106 °C)
Melting Point	-118 °F (-84 °C)	-95.8 °F (-71 °C)	-34 °F (-37 °C)
Vapor Pressure	776 mmHg at 70 °F (21.1 °C)	110 mmHg at 70 °F (21.1 °C)	27 mmHg at 70 °F (21.1 °C)
Vapor Density (Air=1.0)	2.21 at 70 °F, 1.76 at 80 °F (26.67°C)	2.21 at 70 °F, 1.76 at 80 °F (26.67°C)	2.21 at 70 °F, 1.76 at 80 °F (26.67°C)
% Volatiles	100%	100%	100%
Ionization Potential	15.98 eV	15.98 eV	15.98 eV
Flash Point	Nonflammable	Nonflammable	Nonflammable

Learn more

To discuss your HF Acid requirements, contact your Honeywell Account Manager or HF Technical Services Manager.

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Honeywell HF Acid

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