



Cylinder Gas High Purity 99.999% 15MPa HF Hydrogen Fluoride Gas

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Hf
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Hydrogen Fluoride
- Working Pressure: 15MPa
- Test Pressure: 22.5MPa
- Purity: 99.999%
- Transport: Sea Transportation
- Transport Package: 40L, 47L, 50L Etc
- Specification: 40L, 47L, 50L Etc
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 30000 Metric Ton Per Year
- CAS No.: 7664-39-3
- Formula: Hf
- EINECS: 7783-82-6
- Constituent: Industrial Pure Air



More Images



Product Description

Product Description

HF stands for hydrogen fluoride, which is a chemical compound composed of hydrogen (H) and fluorine (F) atoms. Here are some key points about hydrogen fluoride:

Properties: Hydrogen fluoride is a colorless, fuming liquid or a colorless gas at room temperature, depending on the temperature and pressure. It has a boiling point of 19.5 degrees Celsius (67.1 degrees Fahrenheit) and a melting point of -83.6 degrees Celsius (-118.5 degrees Fahrenheit). HF has a pungent odor and is highly soluble in water.

Production: Hydrogen fluoride can be produced through different methods. One common method involves the reaction of calcium fluoride (CaF2) with sulfuric acid (H2SO4), resulting in the formation of hydrogen fluoride gas. It can also be produced as a byproduct of various industrial processes, such as the production of aluminum or phosphate fertilizers.

Uses: Hydrogen fluoride has several applications in various industries:

Chemical Industry: HF is used as a precursor or catalyst in the production of various chemicals, including fluorocarbons, fluoropolymers, and pharmaceuticals. It is also employed in the petroleum refining industry for alkylation processes.

Glass Etching: Hydrogen fluoride is commonly used for etching or engraving glass. It reacts with the silica (SiO2) in glass, creating a frosted or matte appearance on the surface.

Metal Surface Treatment: HF is used for cleaning and surface treatment of metals, particularly in industries such as electronics and semiconductor manufacturing. It can remove oxide layers and impurities from metal surfaces.

Laboratory Applications: Hydrogen fluoride is utilized in laboratories for various purposes, such as analytical chemistry, sample preparation, and glassware cleaning.

Safety Considerations: Hydrogen fluoride is a highly corrosive and toxic substance. It can cause severe burns to the skin, eyes, and respiratory system. Exposure to high concentrations or prolonged exposure to lower concentrations of HF vapor can be hazardous to human health. Proper safety precautions, including the use of appropriate protective equipment and ventilation, should be taken when handling hydrogen fluoride. It's important to note that hydrogen fluoride should be handled with extreme caution due to its hazardous nature, and its use and storage should comply with strict safety protocols and regulations.

Basic Info.

Model No:	HF	Purity	99.95%%
Transport Package	ISO Tank/Cylinder	Specification	ISO Tank/Cylinder
Appearance	CMC	Origin	Suzhou,China
HS Code	2812190091	Production Capacity	30000 Metric Ton Per Year

Specification:

Items	Details		
	A	B	C
Hydrofluoric Content ppm ≥	99.99	99.95	99.90
Moisture ppm≤	50	300	600
Fluorosoilicic Acid ppm≤	30	100	200
Sulfur dioxide(SO2) ppm≤	20	70	150
Non-volatile Acid(H2SO4) ppm≤	20	50	200
Non-volatile Acid(H2SO4) ppm≤	20	50	200
As ppm ≤	5	10	

Detailed Photos





Company Profile



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe.

Our products mainly include: H₂, O₂, N₂, Ar, CO₂, propane, acetylene, helium, laser mixed gas, SiH₄, SiH₂Cl₂, SiHCl₃, SiCl₄, NH₃, CF₄, NF₃, SF₆, HCL, N₂O, doping mixed gas (TMB, PH₃, B₂H₆) and other electronic gases.



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