



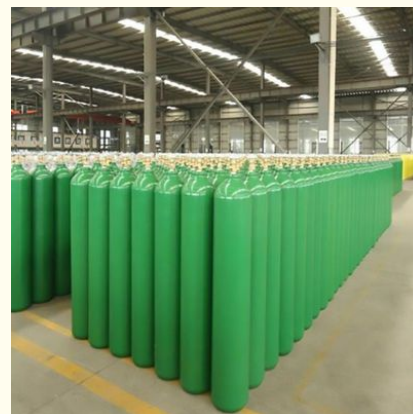
China High Purity Cylinder Gas HF Cylinder 5n Gas Hydrogen Fluoride

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

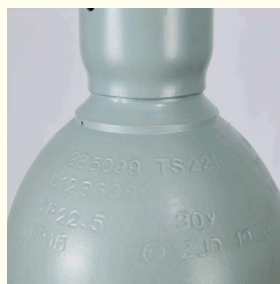


Product Specification

- 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

Hydrogen fluoride (HF) is a chemical compound composed of hydrogen (H) and fluorine (F) atoms. It is an inorganic acid with a strong acidic nature. Here are some key points about hydrogen fluoride:

Properties: Hydrogen fluoride can exist as a colorless 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 is highly soluble in water and forms a strong acid when dissolved.

Production: Hydrogen fluoride is typically produced by the reaction of calcium fluoride (CaF₂) with sulfuric acid (H₂SO₄). The reaction produces hydrogen fluoride gas, which can then be condensed into a liquid form. It can also be produced as a byproduct of certain industrial processes, such as the production of aluminum or phosphate fertilizers.

Uses: Hydrogen fluoride has various applications in different industries:

Chemical Industry: HF is used as a catalyst or reactant in several chemical processes, such as petroleum refining, production of fluorocarbons and fluoropolymers, and the synthesis of various organic and inorganic compounds.

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 utilized 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 used in laboratories for various purposes, including sample preparation, glassware cleaning, and as an analytical reagent.

Safety Considerations: Hydrogen fluoride is a highly corrosive and toxic substance. It can cause severe burns to the skin, eyes, and respiratory system upon contact or inhalation. Inhalation of HF vapors or exposure to its solutions can be hazardous to human health. Proper safety precautions, including the use of appropriate protective equipment and ventilation, should be followed when handling hydrogen fluoride. Due to its hazardous nature, the use, storage, and disposal of hydrogen fluoride 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
Fluorosilicic Acid ppm≤	30	100	200
Sulfur dioxide(SO ₂) ppm≤	20	70	150
Non-volatile Acid(H ₂ SO ₄) ppm≤	20	50	200
Non-volatile Acid(H ₂ SO ₄) 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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