



Cylinder Poisonous 5n HF Specialty Gas High Purity 99.999% 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
- Purity: 99.999%
- Test Pressure: 22.5MPa
- Working Pressure: 15MPa
- Transport Package: Sea Transportation
- 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
- Grade Standard: Electronic Grade



More Images



Product Description

Poisonous 5n HF Specialty Gas Cylinder High Purity 99.999%

Hydrogen fluoride (HF) is a chemical compound consisting of a hydrogen atom bonded to a fluorine atom. It is a colorless gas or a fuming liquid at room temperature, depending on the pressure. Here are some key points about hydrogen fluoride:

Properties: Hydrogen fluoride is highly soluble in water, and the resulting solution is called hydrofluoric acid (HF(aq)). HF 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). It has a pungent odor and is highly corrosive.

Production: Hydrogen fluoride can be produced through several 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 generated as a byproduct in certain industrial processes, such as the production of aluminum or phosphate fertilizers.

Uses: Hydrogen fluoride and hydrofluoric acid have various applications in different industries:

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

Glass Etching: Hydrofluoric acid 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 or hydrofluoric acid 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: Hydrofluoric acid is utilized in laboratories for various purposes, such as sample preparation, glassware cleaning, and certain analytical techniques.

Safety Considerations: Hydrogen fluoride and hydrofluoric acid are extremely corrosive and toxic substances. They can cause severe burns to the skin, eyes, and respiratory system upon contact. Moreover, hydrofluoric acid can penetrate the skin and cause systemic toxicity. Handling and working with HF or hydrofluoric acid require strict safety precautions, including the use of appropriate protective equipment, proper ventilation, and adherence to safety protocols and regulations.

It is crucial to handle hydrogen fluoride and hydrofluoric acid with extreme caution and ensure that safe practices and protocols are followed to prevent accidents or exposure to these hazardous substances.

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

About us



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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