



Hot Sale High Purity Factory Price 99.999% 5n Hf Gas hydrogen fluoride

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Hf
- Minimum Order Quantity: 1kg
- Price: US \$5/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 30000 Tons/Year



Product Specification

- Product Name: Hydrogen Fluoride Gas
- 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



Hydrogen Fluoride

More Images



Product Description

Product Description

Hydrogen fluoride (HF) is a chemical compound composed of hydrogen and fluorine. It is a colorless gas or a fuming liquid at room temperature, depending on the pressure. HF is highly corrosive and toxic, posing significant hazards to human health.

Here are some key points about hydrogen fluoride:

Chemical Formula: HF

Molecular Weight: 20.01 g/mol

Physical Properties: HF is a gas at temperatures above -83.6°C (-118.5°F) and atmospheric pressure. When cooled, it condenses into a fuming liquid.

Acidity: Hydrogen fluoride is a weak acid in water, partially dissociating to form hydronium ions (H₃O⁺) and fluoride ions (F⁻).

Corrosiveness: HF is highly corrosive to metals, glass, ceramics, and organic materials. It reacts with moisture in the air to form corrosive hydrogen fluoride fumes.

Industrial Uses: HF is used in various industrial processes, including glass etching, metal cleaning, petroleum refining, and manufacturing of fluorine-containing compounds.

Health Hazards: HF is a severe health hazard. It can cause severe burns upon contact with the skin, eyes, or respiratory system. Inhalation or ingestion of HF can lead to systemic toxicity and damage to internal organs, including the lungs and bones.

Safety Precautions: Handling HF requires strict safety measures, such as the use of protective equipment like gloves, goggles, and respiratory protection. It should be used in well-ventilated areas or under controlled conditions.

First Aid: In case of HF exposure, immediate medical attention is crucial. Affected areas should be flushed with water, and medical professionals should be consulted.

Regulations: Due to its hazardous nature, the handling, storage, and transportation of hydrogen fluoride are regulated by various authorities and organizations to ensure proper safety precautions.

It is important to note that hydrogen fluoride should be handled with extreme caution due to its corrosive and toxic properties. Proper safety procedures and equipment should always be used when working with this chemical.

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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