



China Factory High Purity Cylinder Gas Best Price 5n HF 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 compound composed of hydrogen and fluorine atoms. It is a colorless, corrosive liquid or gas with a strong, pungent odor. HF is highly reactive and is considered one of the strongest inorganic acids.

Properties of Hydrogen Fluoride:

- Chemical formula: HF
- Molecular weight: 20.01 g/mol
- Melting point: -83.6 °C (-118.5 °F)
- Boiling point: 19.5 °C (67.1 °F)
- Density: 1.15 g/cm³ (liquid at 25 °C)
- Solubility: Miscible with water

Hydrogen fluoride is a polar molecule, meaning it has a partial positive charge on the hydrogen atom and a partial negative charge on the fluorine atom. This polarity contributes to its strong acid properties. In water, HF readily dissociates into hydrogen ions (H⁺) and fluoride ions (F⁻), making it an acidic solution.

Uses of Hydrogen Fluoride:

1. Industrial Applications: HF is commonly used in various industrial processes, including the production of aluminum, uranium, and gasoline. It is also used as a catalyst in the petroleum industry and in the production of refrigerants.
2. Glass Etching: HF is highly corrosive and is utilized for etching and frosting glass surfaces. It selectively reacts with the silica in glass, creating a frosted appearance.
3. Cleaning Agent: In some industries, HF is used as a cleaning agent to remove mineral deposits and oxides from metals and glass surfaces.
4. Chemical Intermediate: Hydrogen fluoride serves as a starting material or intermediate in the synthesis of various chemicals, including fluorine-containing compounds and pharmaceuticals.

Safety Considerations:

Hydrogen fluoride is extremely hazardous and requires careful handling due to its corrosive nature and toxic properties. It can cause severe burns upon contact with the skin and eyes. Inhalation of HF vapors or mists can lead to respiratory damage, including lung edema. Exposure to high concentrations can be fatal.

Proper protective equipment, such as gloves, goggles, and a lab coat, should be used when working with hydrogen fluoride.

Additionally, HF should be stored in appropriate containers and in well-ventilated areas to minimize the risk of exposure. In case of accidental exposure or ingestion, immediate medical attention should be sought.

It's important to note that while I strive to provide accurate and up-to-date information, it's always recommended to consult reliable sources and follow appropriate safety protocols when dealing with hazardous substances like hydrogen fluoride.

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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