



## Cylinder Gas China High Purity Factory 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
- Transport: By Sea
- Purity: 99.999%
- 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
- Grade Standard: Industrial Grade
- Chemical Property: Poisonous Gases



### More Images



## Product Description

### Product Description

Hydrogen fluoride (HF) is a chemical compound composed of hydrogen (H) and fluorine (F) atoms. It is a highly corrosive and toxic substance.

Here are some key points about hydrogen fluoride:

**Properties:** Hydrogen fluoride is a colorless liquid or 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 strong and pungent odor. It is highly soluble in water.

**Production:** Hydrogen fluoride can be produced through different methods. One common method involves the reaction of calcium fluoride (CaF<sub>2</sub>) with sulfuric acid (H<sub>2</sub>SO<sub>4</sub>), 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 (SiO<sub>2</sub>) 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 highly corrosive and toxic. It can cause severe burns to the skin, eyes, and respiratory system.

Inhalation of HF vapors or exposure to skin contact can result in serious health effects. Proper safety precautions, including the use of appropriate protective equipment and ventilation, should be taken when handling hydrogen fluoride.

Due to its hazardous nature, the use, storage, and handling of hydrogen fluoride are subject to strict safety regulations and guidelines to ensure the protection of human health and the environment.

#### Basic Info.

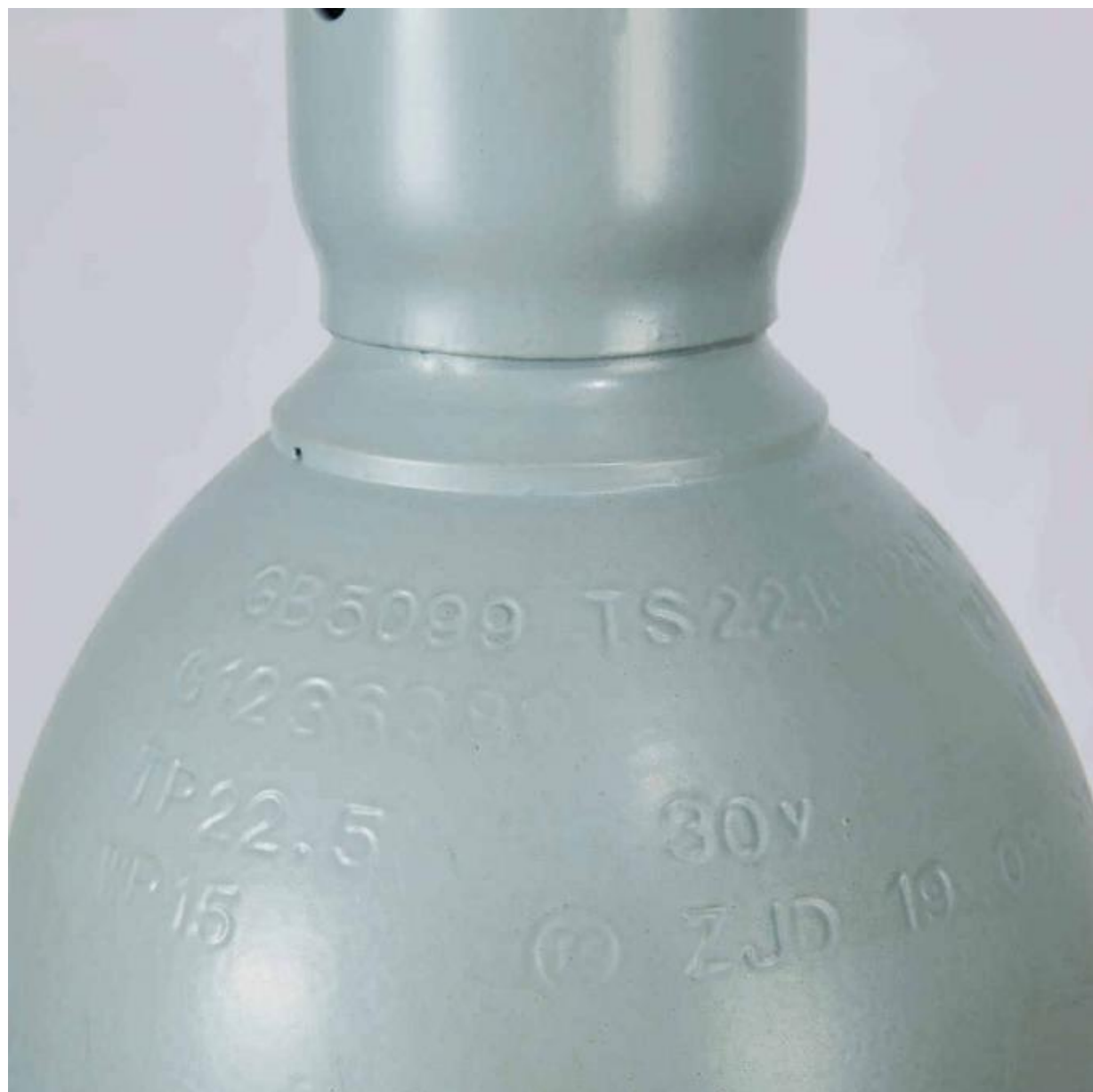
Model No:	HF	Purity	99.95%%
Transport Package	ISO Tank/Cylinder	Specification	ISO Tank/Cylinder
Appearance	CMC	Origin	Suzhou,China
HS Code	2812190091	Production Capacity	30000 Metric Ton Per Year

#### 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 <sub>2</sub> ) ppm≤	20	70	150
Non-volatile Acid(H <sub>2</sub> SO <sub>4</sub> ) ppm≤	20	50	200
Non-volatile Acid(H <sub>2</sub> SO <sub>4</sub> ) 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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

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