



## Cylinder Gas China High Purity Flammable SF6 Sulfur Hexafluoride

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: SF6
- Minimum Order Quantity: 1kg
- Price: US \$ 9.5/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000 Tons/Year

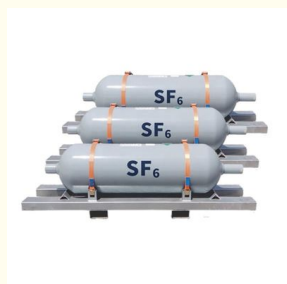


### Product Specification

- Product Name: Sulfur Hexafluoride
- Melting Point: -50.8 °C
- Appearance: Colorless, Odorless
- Boiling Point: -63.8 °C
- Cylinder Pressure: 15MPa/20MPa
- Valve: Qf-2, Cga590
- Cylinder Standard: DOT/ISO/GB
- Transport Package: 40L, 47L, 50L, 500L
- Specification: 40L, 47L, 50L, 500L
- Trademark: CMC
- Origin: China
- HS Code: 28129019
- Supply Ability: 5000tons/Year
- CAS No.: 2551-62-4
- Formula: Sf6



### More Images



## Product Description

### Product Description

Sulfur hexafluoride (SF<sub>6</sub>) is a chemical compound composed of sulfur and six fluorine atoms. It has the formula SF<sub>6</sub> and is classified as a greenhouse gas due to its high global warming potential. Here are some key points about sulfur hexafluoride:

Properties: SF<sub>6</sub> is a colorless, odorless, and non-flammable gas. It is chemically stable, has a high density, and is electrically insulating. These properties make it useful for various industrial applications.

Uses: SF<sub>6</sub> has several applications, including:

Electrical Industry: SF<sub>6</sub> is widely used as an insulating gas in high-voltage electrical equipment such as circuit breakers, switchgear, and transformers. It provides excellent arc-quenching properties, enabling the safe and efficient operation of electrical systems.

Electronics: SF<sub>6</sub> is used in the production of semiconductors and integrated circuits, primarily as a plasma etching gas to create fine patterns on silicon wafers.

Medical Applications: SF<sub>6</sub> is used as a contrast agent for ultrasound imaging of the gastrointestinal tract.

Sound Effects: Due to its high density, SF<sub>6</sub> is sometimes used in entertainment industry applications to create special sound effects. When inhaled, it alters the sound of the human voice, resulting in a deep, low-pitched voice.

Environmental Impact: SF<sub>6</sub> is a potent greenhouse gas with a global warming potential (GWP) of 23,900 times that of carbon dioxide (CO<sub>2</sub>) over a 100-year period. Its long atmospheric lifetime contributes to its significant impact on climate change. Efforts are underway to reduce SF<sub>6</sub> emissions and find alternative gases with lower environmental impact for electrical applications.

Safety Considerations: SF<sub>6</sub> is not toxic or harmful to human health when inhaled in small quantities. However, it can displace oxygen in enclosed spaces, leading to asphyxiation. Additionally, SF<sub>6</sub> is a potent electrical insulator and can cause electrical shock if mishandled. Proper safety precautions should be followed when working with SF<sub>6</sub>.

### Basic Info

Transport Package:	40L, 47L, 50L, 500L	Melting Point	-50.8°C
Trademark:	CMC	Boiling Point	-63.8°C
Specification	99.995%, 99.999%	Production Capacity	5000tons/Year
Cylinder Pressure	15MPa/20MPa	Valve	Qf-2, Cga590
Appearance	Colorless, Odorless	Density	6.0886 Kg/M3

### Specifications:

Specifications	Company Standard
SF <sub>6</sub>	≥ 99.995%
Air	≤ 10 ppm
CF <sub>4</sub>	≤ 2 ppm
C <sub>2</sub> F <sub>6</sub>	≤ 20 ppm
C <sub>3</sub> F <sub>8</sub>	≤ 5 ppm
Low Sulfide	Not Detected
H <sub>2</sub> O	≤ 1 ppm
Acidity as HF	≤ 0.1 ppm
Hydrolysable Fluorides as HF	≤ 0.3 ppm
Mineral Oil	≤ 1 ppm

### Detailed Photos









## Packaging & Shipping

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.

SiCl <sub>4</sub>	NH <sub>3</sub>	NH <sub>3</sub>	CH <sub>3</sub> F	SiH <sub>4</sub>	Kr	H <sub>2</sub> S	WF <sub>6</sub>	F <sub>6</sub> +Cl <sub>2</sub>
4MS	C <sub>3</sub> F <sub>8</sub>	C <sub>3</sub> F <sub>8</sub>	TEOS	CH <sub>4</sub>	PH <sub>3</sub>	SF <sub>6</sub>	C <sub>2</sub>	HCl+Ne
CF <sub>4</sub>	C <sub>4</sub> F <sub>8</sub>	SiH <sub>2</sub>						TMB+H <sub>2</sub>
SiF <sub>4</sub>	C <sub>3</sub> H <sub>8</sub>	Cl <sub>2</sub>						He +As
BBr <sub>3</sub>	C <sub>3</sub> H <sub>6</sub>	DCE						Ge+Se
POCl <sub>3</sub>	N <sub>2</sub>	SO <sub>2</sub>						D+B
BCl <sub>3</sub>	D <sub>2</sub>	CO <sub>2</sub>						CO+NO
SiHCl <sub>3</sub>	CH <sub>2</sub> F <sub>2</sub>	HF						Ar+O <sub>2</sub>
TMAI	DMZn	DEZn						Xe+NO
AsH <sub>3</sub>	C <sub>2</sub> H <sub>4</sub>	C <sub>2</sub> H <sub>2</sub>						



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