



## Sf6 Cylinder Gas China Best Price High Purity 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 consisting of one sulfur atom and six fluorine atoms, represented by the molecular formula SF<sub>6</sub>. It is an odorless, colorless, and non-flammable gas with high thermal stability. SF<sub>6</sub> is known for its exceptional electrical insulation properties, making it widely used in various industries.

Here are some key characteristics and applications of sulfur hexafluoride:

**Electrical Industry:** SF<sub>6</sub> is primarily used as an electrical insulator in high-voltage electrical transmission and distribution equipment such as circuit breakers, switchgear, and gas-insulated substations. Its excellent dielectric properties allow for compact designs and efficient electrical insulation.

**Medical Applications:** SF<sub>6</sub> is used as a contrast agent in medical imaging procedures, particularly in ultrasound examinations of the gastrointestinal tract. Its high density and low solubility make it suitable for enhancing the visibility of certain organs or structures.

**Industrial Processes:** SF<sub>6</sub> is used in various industrial applications, such as the casting of magnesium and aluminum, where it serves as a protective atmosphere to prevent oxidation. It is also used in the manufacturing of semiconductors and flat panel displays.

**Sound and Special Effects:** Due to its high density, SF<sub>6</sub> is used in some entertainment applications for creating special effects. When inhaled, it alters the sound of a person's voice, making it deeper and more resonant. This effect is often used in movie production and stage performances.

It is worth noting that sulfur hexafluoride is a potent greenhouse gas with a high global warming potential (GWP). It has a long atmospheric lifetime, contributing to the accumulation of greenhouse gases in the atmosphere. As a result, there are ongoing efforts to minimize or find alternatives to SF<sub>6</sub> in certain applications to mitigate its environmental impact.

#### 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 Photo



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: 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>	HBr	COS	Ar+O <sub>2</sub>			
GeH <sub>4</sub>	C <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>	H <sub>2</sub> Se	GeCl <sub>4</sub>	Xe+NO			



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