



## Cylinder Gas China Factory Price High Purity 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: Cylinder
- 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 chemical formula SF<sub>6</sub>. This compound is classified as a greenhouse gas due to its high global warming potential. Here are some key points about sulfur hexafluoride:

**Physical Properties:** Sulfur hexafluoride is a colorless, odorless, and non-flammable gas. It is chemically inert, meaning it does not react readily with other substances. SF<sub>6</sub> has a high density and is heavier than air.

**Uses:** Due to its unique properties, sulfur hexafluoride finds various applications in different industries:

**Electrical Industry:** SF<sub>6</sub> is widely used as an electrical insulating gas in high-voltage equipment such as circuit breakers, switchgear, and transformers. Its excellent dielectric properties allow for efficient electrical insulation and arc quenching.

**Medical Imaging:** Sulfur hexafluoride is used as a contrast agent in medical imaging procedures. It is administered as a gas or liquid during ultrasound examinations to enhance the visibility of certain organs or blood vessels.

**Sound Insulation:** SF<sub>6</sub> is used in soundproof windows and doors as it has a higher density than air, making it effective at reducing sound transmission.

**Magnesium Production:** SF<sub>6</sub> is employed in the production of magnesium and magnesium alloys. It serves as a protective gas to prevent oxidation and improve the quality of the final product.

**Particle Accelerators:** Sulfur hexafluoride is used in particle accelerators to provide a non-reactive, high-density medium for the acceleration of particles.

**Environmental Impact:** SF<sub>6</sub> is a potent greenhouse gas with a global warming potential (GWP) estimated to be around 23,500 times that of carbon dioxide (CO<sub>2</sub>) over a 100-year period. It has a long atmospheric lifetime, which contributes to its accumulation in the atmosphere and its impact on climate change. Due to its high GWP, efforts are being made to minimize SF<sub>6</sub> emissions and find alternative gases or technologies.

**Safety Considerations:** Although sulfur hexafluoride is non-toxic, it can displace oxygen in enclosed spaces, leading to asphyxiation. It is also an asphyxiant at high concentrations. Handling and storage of SF<sub>6</sub> should be done with proper precautions and under controlled conditions.

It's important to note that the information provided here is accurate up until September 2021, and there may have been further developments or changes in the understanding and regulations surrounding sulfur hexafluoride since then.

#### Basic Info

DOT Class	2.2	Un Number	Un 1080
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Qf-2, Cga590	Melting Point	-50.8 °C
Appearance	Colorless, Odorless	Boiling Point	-63.8 °C
Density	6.0886 Kg/M <sup>3</sup>	Molecular Weight	146.05
Transport Package	40L, 47L, 50L, 500L	Specification	99.995%, 99.999%
Trademark	CMC	Origin	China
HS Code	28129019	Production Capacity	5000tons/Year

#### 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





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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