



## China Wholesale High Purity Cylinder Gas Pure SF6 Sulphur 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
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000 Tons/Year



### Product Specification

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



### More Images



## Product Description

### Pure Sulphur Hexafluoride Gas SF6 Gas Cylinder Bottle OEM

Sulfur hexafluoride (SF<sub>6</sub>) is an inorganic compound composed of one sulfur atom bonded to six fluorine atoms. It is a colorless, odorless, non-flammable, and non-toxic gas. SF<sub>6</sub> has a high density, similar to that of air, and is commonly used as an insulating material in electrical equipment due to its excellent electrical insulation properties.

Here are some key characteristics and applications of sulfur hexafluoride:

**Insulating gas:** SF<sub>6</sub> is widely used as an insulating gas in high-voltage electrical equipment such as circuit breakers, switches, and transformers. It prevents electrical discharges and insulates the equipment, allowing for efficient and reliable operation.

**Dielectric properties:** SF<sub>6</sub> has exceptional dielectric strength, meaning it can withstand high electric fields without breaking down. This property makes it suitable for use in high-voltage applications, where it helps to prevent electrical arcing and corona discharges.

**Medical applications:** Sulfur hexafluoride is used in medical imaging techniques such as ultrasound and MRI (Magnetic Resonance Imaging). In ultrasound, it is used as a contrast agent to enhance the visibility of blood vessels and organs. In MRI, SF<sub>6</sub> is used to fill the sealed cavities of respiratory systems to improve image quality.

**Industrial uses:** SF<sub>6</sub> finds applications in various industries. It is used as a tracer gas in leak detection systems for enclosed spaces, such as buildings or manufacturing facilities, to identify and locate gas leaks. SF<sub>6</sub> is also used in the production of semiconductors and electronic components.

**Environmental impact:** Sulfur hexafluoride is a potent greenhouse gas with a high global warming potential (GWP). It has a long atmospheric lifetime, contributing to its impact on climate change. Efforts are being made to reduce its emissions, and alternative gases with lower environmental impact are being explored for use in electrical equipment.

It's important to handle SF<sub>6</sub> with care and follow appropriate safety measures to prevent its release into the atmosphere.

#### 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/M³	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
SF6	≥ 99.995%
Air	≤ 10 ppm
CF4	≤ 2 ppm
C2F6	≤ 20 ppm
C3F8	≤ 5 ppm
Low Sulfide	Not Detected
H2O	≤ 1 ppm
Acidity as HF	≤ 0.1 ppm
Hydrolysable Fluorides as HF	≤ 0.3 ppm
Mineral Oil	≤ 1 ppm

#### 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.

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			





