



## 99.999% China Manufacture Best Price Cylinder Gas 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



**Sulfur Hexafluoride**

### 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 colorless, odorless, non-toxic, and non-flammable gas. It is composed of one sulfur atom bonded to six fluorine atoms, giving it its chemical formula SF<sub>6</sub>. Here are some key properties and uses of sulfur hexafluoride:

Properties:

Density: SF<sub>6</sub> is significantly denser than air, which makes it useful for applications requiring a gaseous dielectric medium.

Stability: It is thermally and chemically stable, meaning it does not readily react with other substances.

Insulating Properties: SF<sub>6</sub> has excellent electrical insulating properties, making it suitable for high-voltage electrical equipment.

High Dielectric Strength: This gas has a high dielectric strength, allowing it to withstand high electric fields without ionizing or conducting electricity.

Solubility: SF<sub>6</sub> is insoluble in water and most organic solvents.

Uses:

Electrical Industry: Sulfur hexafluoride is widely used as an electrical insulator in high-voltage power transmission and distribution equipment, such as circuit breakers, switchgear, and transformers.

Medical Applications: SF<sub>6</sub> is used as a contrast agent in medical imaging procedures, particularly in ultrasound examinations of the gastrointestinal tract.

Sound Effects: Due to its high density, SF<sub>6</sub> is used in some special effects applications, such as creating low-pitched voices for entertainment purposes.

Magnesium Production: SF<sub>6</sub> is used as a protective gas in the production of magnesium and magnesium alloys, preventing the formation of unwanted impurities.

Semiconductor Manufacturing: It is used in the manufacturing of semiconductors as a plasma etching gas to selectively remove layers of material during the fabrication process.

It's worth noting that SF<sub>6</sub> is a potent greenhouse gas with a high global warming potential (GWP). Its long atmospheric lifetime and high GWP have led to concerns about its impact on climate change. Efforts are being made to reduce SF<sub>6</sub> emissions and find alternative gases or technologies in various applications.

#### 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







## 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             |                  |                 |                                 |



#### Our Advantages

1. Fast delivery;
2. Stable raw material source;
3. On-line analysis system for quality control in every step;
4. High requirement and meticulous process for handling cylinder before filling;

Our carbon monoxide have been exported to many countries like India, Pakistan, Malaysia, Indonesia, Australia, Singapore, Maldives and Ecuador.

Since the establishment of our company, it has received universal praise by virtue of good reputation, high quality and perfect after service.

#### FAQ

##### 1. Q: Are you a factory or a trading company?

A: We are a manufacture and trade integration company. Expert R&D department and sophisticated supply chain is our key of success.

**2. Q: Are bulk orders and multiple product orders available?**

A: Yes, we have a strong production supply system to make sure all of your requirements satisfied. One station product solution is our aim of service.

**3. Q: What if I never imported this product before, how do I do it?**

A: Don't worry. We have import and export experience with over 50 countries over the world, our fulfillment department will guide you every step of the process.

**4. What is the MOQ?**

Different products have different min order. It's depends on the kind the gas and the cylinder specifications. Please feel free to contact with me directly for your requirement.

**5. Q: Why choice us Kemike Gas ?**

A: Stable Supply, Professional Solution, Reasonable Price, and Safety Business with our Taiyu.

**6. Q: 3. How does your factory do the quality control?**

A: We have standard quality control procedure.

a> In production, we have quality analysis system to make sure each step is qualified.

b> Before filling, we do the pre-treatment for the cylinders to clean well.

c> After filling, we will do 100% inspection analyze before delivery.

**7. Q:Is it possible to ship by air?**

A:Gases are classified into class 2.1, class 2.2 and class 2.3 which are inflammable gas, non-flammable gas and poisonous gas. According to regulation, inflammable gas and poisonous gas cannot be shipped by air, and only non-flammable gas can be transported by air. If the amount purchased is large, sea transportation is better.

**8. Q:Can I customize the package?**

A:Yes of course! The most regular package is cylinder. Its size, color, valve, design and other requirements can all be met.

**9. Q: What is the package & storage details?**

A:Seamless steel cylinder with different valves, or as to your requirement.

Stored in shady, cool, dry, ventilated warehouse, and keep away from sunlight and ramming.

**10. More question.....**

Feel free to contact us, you will get immediately reply



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