



## C4f6 Semiconductor Industry Application High Purity Gas Hexafluorobutadiene

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C4f6
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 30 days
- Payment Terms: T/T
- Supply Ability: 200 Tons/Year



### Product Specification

- Model NO.: C4F6
- Product Name: Hexafluorobutadiene
- Cylinder Standard: GB/ISO/DOT
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Valve: Cga580
- Boiling Point: -6 °C
- Melting Point: -41.4 °C
- Density: 6.9 Kg/M³
- Appearance: Colorless, Odorless
- Transport Package: 40L, 47L, 50L
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: China
- HS Code: 29038900
- Supply Ability: 1000000ton/Year



### More Images



## Product Description

### Product Description

Hexafluorobutadiene, also known as C4F6, is a chemical compound belonging to the class of perfluorinated compounds. It consists of four carbon atoms and six fluorine atoms, hence the name hexafluorobutadiene. Its chemical formula is C4F6, and it has a molar mass of approximately 200.03 grams per mole.

Hexafluorobutadiene is a highly stable and non-flammable gas at room temperature and pressure. It is primarily used as a reactive gas in various industrial applications, such as plasma etching, chemical vapor deposition (CVD), and as a precursor for the production of other fluorinated compounds.

In plasma etching processes, hexafluorobutadiene is often used as a source of fluorine atoms. It can selectively remove certain materials from a surface by reacting with them in a plasma environment. Its strong reactivity and ability to etch various materials make it valuable in the semiconductor industry for microfabrication processes.

Hexafluorobutadiene is also used in the production of other fluorinated compounds, including specialty polymers and fluoropolymers. These materials have unique properties, such as high thermal stability, chemical resistance, and low surface energy, which find applications in industries like electronics, automotive, and coatings.

It is worth mentioning that perfluorinated compounds, including hexafluorobutadiene, have been subject to environmental concerns due to their persistence in the environment and potential adverse effects. Efforts are being made to develop alternatives and minimize the release of these compounds into the environment.

Please note that handling and working with hexafluorobutadiene require proper safety precautions, as it is a hazardous material. Always consult the relevant safety data sheets and follow appropriate handling, storage, and disposal procedures when dealing with this compound.

### Basic Info.

Product Name :	HEXAFLUOROCYCLOBUTENE	Purity:	99.9~99.99%
CAS No.:	697-11-0	EINECS No.:	211-803-2
MF:	C4F6	Molar mass:	697-11-0.mol
UN No.:	3162	Hazard Class :	2.3+2.1
Appearance:	Colorless, non-combustible	Odor:	odorless



山东安城压力容器有限公司

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### Specification:

CAS No.: 115-25-3  
 EINECS No.: 204-075-2  
 UN No.: UN1976  
 Purity: 99.999%  
 Dot Class: 2.2  
 Appearance: Colorless, Odorless  
 Grade Standard: Electronic Grade

Specification	99.999%
Oxygen + Argon	≤ 1 ppm
Nitrogen	≤ 2 ppm
Hydrogen	≤ 0.5 ppm
Carbon Monoxide	≤ 0.5 ppm
Carbon Dioxide	≤ 0.5 ppm
Methane	≤ 0.5 ppm
DHC	≤ 2 ppm
Moisture	≤ 3 ppm
Acidity as HF	≤ 0.1 ppm

## Packaging & Shipping

Cylinder Specifications		Contents
Cylinder Capacity	Valve	Weight
47L	DISS716	50 kgs

## 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.



## Factory display



## Detection equipment

Strict quality assurance procedures,  
stands for highest stand



## Quality control

### Cylinder Treatment

If it's a new steel cylinder



Inner Rust & Polish

\*Most other supplier lack this step



Passivation

\*Most other supplier lack this step



1. Cylinder Surface Inspection & Treatment



2. Tightness Inspect



3. Vacuum & Drying 12 hours

\*Most other supplier lack this step



4. Nitrogen Replacement 0.3MPa



Our

Advantages

High purity, latest facility  
ISO certificate manufacturer

Fast delivery

On-line analysis system for quality control in every step

High requirement and meticulous process for handling cylinder before filling

Our octafluorocyclobutane have been exported to many countries like India, Pakistan, Malaysia, Indonesia, Australia, and Singapore.

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

FAQ

**Q: What is the min order?**

A: Different products have different min orders. It depends on the kind the gas and the cylinder specifications. Please feel free to contact me directly for your requirement.

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

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

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

**Q: Shall we send back the cylinders to China to refill the gas again?**

A: Yes, when you ordered our cylinders, next time, you can send back the cylinders to fill gas again. You just need to tell us before you export.

We will handle all the import customs clearance formalities.

**Q: What are your company's main sales products?**

A: We mainly supply electronics specialty gas and mixtures needed by the electronics industry, such as NH<sub>3</sub>, SiH<sub>4</sub>, C<sub>4</sub>F<sub>8</sub>, O<sub>2</sub>, CF<sub>4</sub>, CO<sub>2</sub>, TEOS, etc.

**Q: How to ensure the quality of your products?**

A: We have passed the ISO 9001:2015 quality management system certification and ISO 14001:2015 environmental management system certification.

**Q: How do you ship the product?**

A: Usually we ship products by ocean shipping

**Q: What is your advantage over other competitors?**

A: We are a factory with excellent equipment and a high-quality control system, and our factory price is more competitive, fast shipment with high quality.

We have a full-time after-sales service providing solutions to various problems. After-sales service engineers standby 24 hours a day, and respond to customer needs when necessary at the first time.



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