



C4f6 Electronics Automotive Semiconductor Industry Application Gas C4f6 Hexafluorobutadiene

Our Product Introduction

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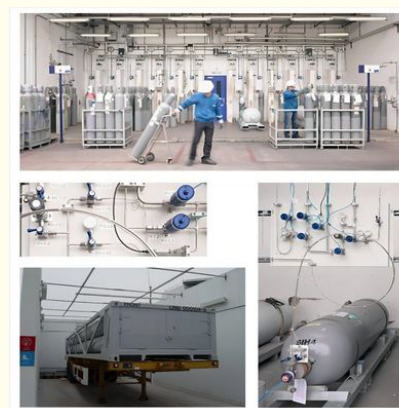
Basic Information

- 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 perfluorobutadiene or C₄F₆, is a chemical compound with the formula C₄F₆. It is a colorless, odorless gas that belongs to the class of organofluorine compounds. Each carbon atom in the molecule is bonded to two fluorine atoms, resulting in a highly fluorinated compound.

Hexafluorobutadiene is primarily used in the electronics industry as a plasma etching gas. Plasma etching is a process used to remove material from the surface of a semiconductor or other electronic components to create patterns or structures. Hexafluorobutadiene is highly effective in this application due to its ability to selectively etch certain materials while leaving others unaffected.

The compound is also used as a reactive gas in chemical vapor deposition (CVD) processes. In CVD, thin films of various materials are deposited onto a substrate by introducing reactive gases into a chamber. Hexafluorobutadiene can be used as a precursor for depositing fluorinated films, which can provide unique properties such as enhanced chemical resistance or low surface energy.

It is worth noting that hexafluorobutadiene is a potent greenhouse gas with a high global warming potential (GWP). As with other fluorinated compounds, its release into the atmosphere can contribute to climate change. Therefore, it is important to handle and dispose of hexafluorobutadiene safely and responsibly to minimize its environmental impact.

Basic Info.

Product Name :	HEXAFLUOROCYCLOBUTENE	Purity:	99.9~99.99%
CAS No.:	697-11-0	EINECS No.:	211-803-2
MF:	C ₄ F ₆	Molar mass:	697-11-0.mol
UN No.:	3162	Hazard Class :	2.3+2.1
Appearance:	Colorless, non-combustible	Odor:	odorless



Specification:

CAS No.: 697-11-0
EINECS No.: 211-803-2
UN No.: UN1976
Purity: 99.99%
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

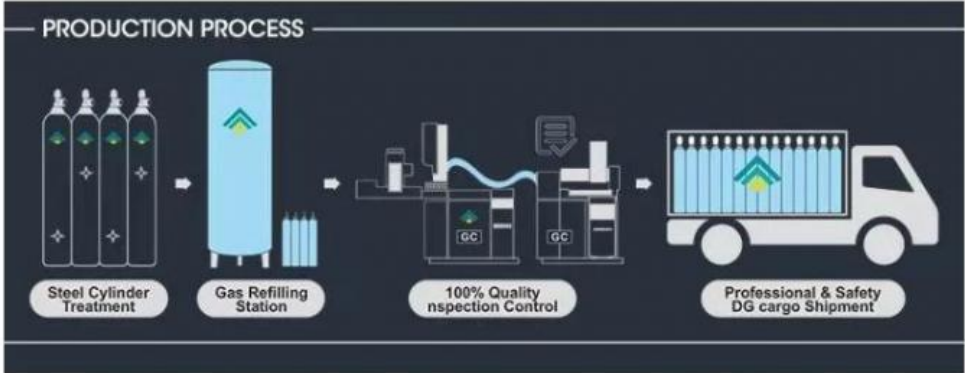
Packaging &
Shipping

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: H2, O2, N2, Ar, CO2, propane, acetylene, helium, laser mixed gas, SiH4, SiH2Cl2, SiHCL3, SiCL4, NH3, CF4, NF3, SF6, HCL, N2O, doping mixed gas (TMB, PH3, B2H6) 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 NH₃, SiH₄, C₄F₈, O₂, CF₄, CO₂, 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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