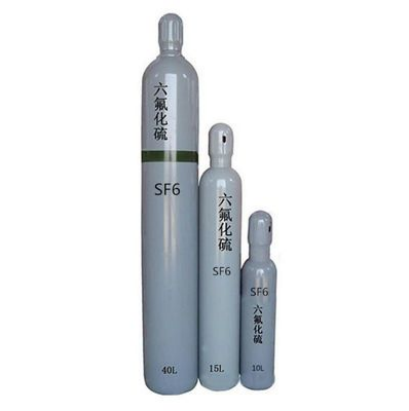
Sulfur Hexafluoride High Purity China Factory Cylinder SF6 Gas

Our Product Introduction

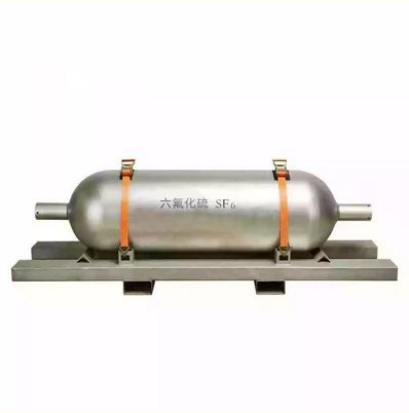
Basic Information

- 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 ºC
- Appearance: Colorless, Odorless
- Boiling Point: -63.8 ºC
- Cylinder Pressure: 15MPa/20MPa
- Valve: Qf-2, Cga590
- Cylinder Standard: DOT/ISO/GB
- Transport Package: 40L, 47L, 50L, 500L
- 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 (SF6) is a colorless, odorless, non-toxic, and non-flammable gas. It is composed of one sulfur atom bonded with six fluorine atoms. SF6 is a potent greenhouse gas with a high global warming potential, which has led to its regulation and restricted use in various industries.

Here are some key points about sulfur hexafluoride:

Electrical Industry: SF6 is widely used as an insulating gas in high-voltage electrical equipment such as circuit breakers, switchgear, and transformers. It provides excellent electrical insulation properties and enables compact designs due to its high dielectric strength.

Medical Applications: SF6 has been used as a contrast agent in medical imaging procedures, particularly in ophthalmology. However, its use in this field has been largely replaced by other gases due to safety concerns.

Industrial Processes: SF6 is used in various industrial applications, including the manufacturing of semiconductors, magnesium casting, and sound insulation. It can also be found in some tracer gas applications, leak detection systems, and particle accelerators.

Environmental Impact: SF6 is a potent greenhouse gas with a global warming potential (GWP) of 23,900 times that of carbon dioxide (CO2) over a 100-year period. Its long atmospheric lifetime contributes to its significant impact on climate change. Due to its high GWP, efforts are being made to reduce and control SF6 emissions.

Regulatory Measures: Many countries have implemented regulations and initiatives to minimize SF6 emissions. The European Union, for example, has established regulations under the F-Gas Regulation (EU) No 517/2014, which aims to reduce SF6 emissions and promote the use of alternative technologies.

Alternatives: Various alternative gases and technologies are being explored to replace SF6 in different applications. These alternatives include gases such as nitrogen (N2), carbon dioxide (CO2), and dry air, as well as solid insulation materials.

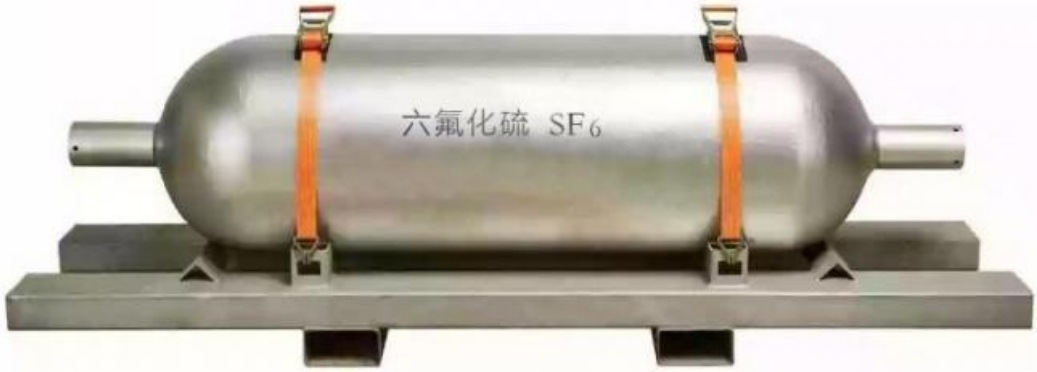
Basic Info

Transport Package:	40L, 47L, 50L, 500L	Melting Point	-50.8ºC
Trademark:	CMC	Boiling Point	-63.8ºC
Specification	99.90%	Production Capacity	5000tons/Year
Cylinder Pressure	15MPa/20MPa	Valve	Qf-2, Cga590
Appearance	Colorless, Odorless	Density	6.0886 Kg/M3

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 Fluor ides as HF	≤ 0.3 ppm
Mineral Oil	≤ 1 ppm

Detailed Photos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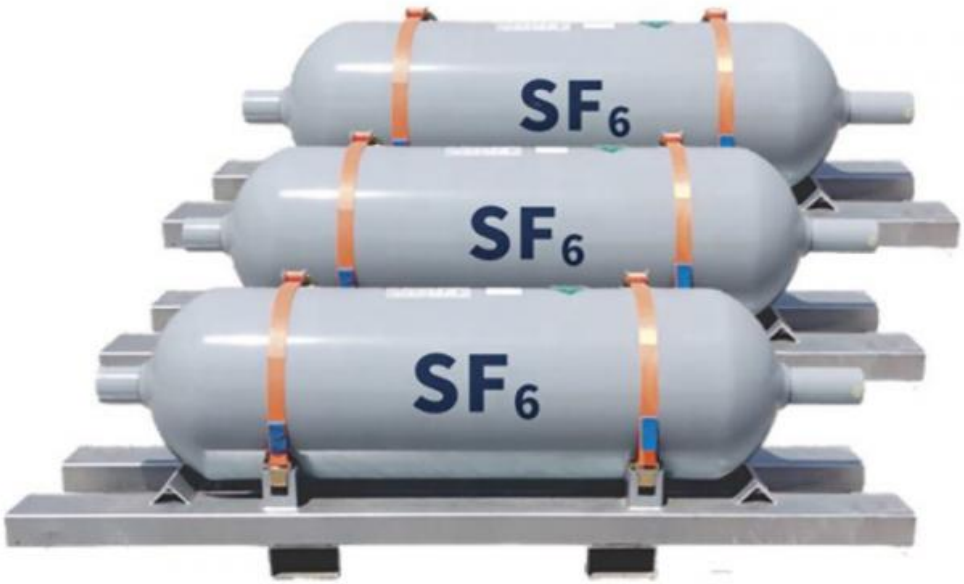
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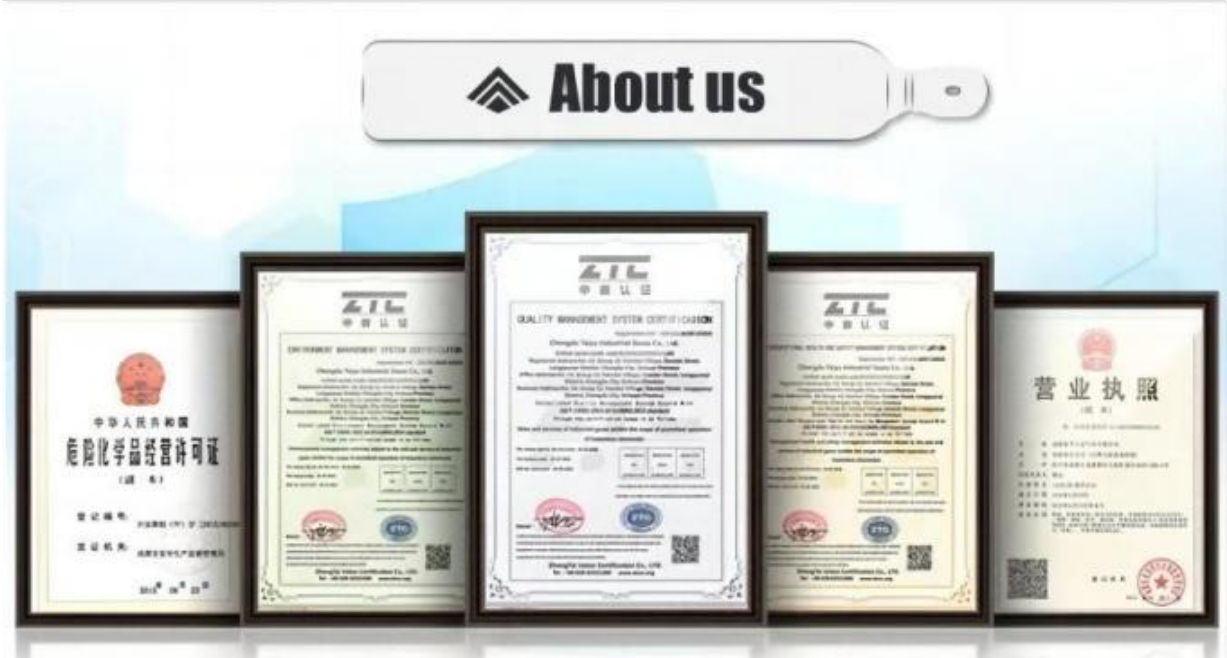
Company Profile



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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

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