



High Purity Electron Grade 99.999% Cylinder Gas 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



Product Specification

- Product Name: Sulfur Hexafluoride
- Valve: Qf-2, Cga590
- Boiling Point: -63.8 °C
- Melting Point: -50.8 °C
- Cylinder Pressure: 15MPa/20MPa
- 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
- EINECS: 219-854-2



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 to six fluorine atoms, with a chemical formula SF₆. Here are some key characteristics and uses of sulfur hexafluoride gas:

Density: SF₆ is significantly denser than air, making it useful for a variety of applications where its high density is advantageous.

Electrical Insulator: SF₆ is an excellent electrical insulator, which makes it suitable for use in high-voltage electrical equipment such as circuit breakers, switchgear, and transformers. It helps prevent electrical discharges and arc formations.

Dielectric Medium: Due to its high dielectric strength, SF₆ is commonly used as a dielectric medium in high-voltage power applications. It allows for compact electrical equipment designs with reduced spacing requirements.

Inertness: SF₆ is chemically inert and stable, meaning it does not react with other substances under normal conditions. This property makes it suitable for use as a protective gas in certain industrial processes, such as the casting of magnesium and aluminum.

Medical Applications: SF₆ has medical applications, primarily as a contrast agent for ultrasound imaging. It is used to enhance the visibility of certain organs or tissues during medical procedures.

Environmental Concerns: While SF₆ is non-toxic and does not pose immediate hazards to human health, it is a potent greenhouse gas with a high global warming potential. Its long atmospheric lifetime and high heat-trapping capability have raised concerns about its impact on climate change.

Efforts are being made to minimize SF₆ emissions and find alternative gases with lower environmental impact.

It's important to handle SF₆ gas with care, following appropriate safety protocols and regulations, especially in industrial settings where it is used or produced.

Basic Info.

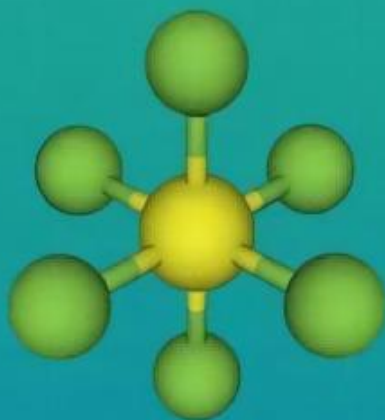
DOT Class	2.2	Un Number	Un 1080
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Qf-2, Cga590	Melting Point	-50.8 °C
Appearance	Colorless, Odorless	Boiling Point	-63.8 °C
Density	6.0886 Kg/M³	Molecular Weight	146.05
Transport Package	40L, 47L, 50L, 500L	Specification	99.995%, 99.999%
Trademark	CMC	Origin	China
HS Code	28129019	Production Capacity	5000tons/Year



PRODUCT



Sulfur Hexafluoride



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

APPLICATION



① Dielectric medium:

SF₆ is used in the electrical industry as a gaseous dielectric medium for high-voltage circuit breakers, switchgear, and other electrical equipment, often replacing oil filled circuit breakers (OCBs) that can contain harmful PCBs.



② Tracer compound:

Sulfur hexafluoride was the tracer gas used in the first roadway air dispersion model calibration. It has been used successfully as a tracer in oceanography to study diapycnal mixing and air-sea gas exchange.

Detailed Photos









Company

Profile

About us



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.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
			AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	
			GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	



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