



China Advantage Products Cylinder Gas High Purity 99.995% 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



Product Specification

- Product Name: Sulfur Hexafluoride
- Valve: Qf-2/Cga 580
- Melting Point: -50.8 °C
- Boiling Point: -63.8 °C
- Cylinder Pressure: 15MPa/20MPa
- Purity: 99.999%
- Cylinder Standard: GB/DOT
- 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 belongs to the group of sulfur fluorides and is composed of one sulfur atom and six fluorine atoms bonded together in an octahedral shape. SF₆ has a high density, which makes it useful for a variety of applications.

Here are some key points about sulfur hexafluoride gas:

Electrical Industry: SF₆ is widely used as an electrical insulating gas in high-voltage power transmission and distribution systems. It provides excellent dielectric properties, allowing for compact designs and efficient electrical insulation.

Circuit Breakers: SF₆ is commonly used in circuit breakers to extinguish the electrical arc when the contacts inside the breaker separate. It has a high arc-quenching capability, enabling efficient interruption of electrical currents.

Magnesium Processing: SF₆ is used as a protective gas in magnesium smelting processes. It prevents the formation of magnesium oxide on the surface of molten magnesium, ensuring high-quality production.

Medical Applications: SF₆ has medical applications as a contrast agent in ultrasound imaging. It is used to improve the visibility of organs and structures during certain diagnostic procedures.

Tracer Gas: Due to its inert nature and high density, SF₆ is used as a tracer gas in various applications. It is employed to analyze ventilation systems, detect leaks, and study airflows in confined spaces.

Environmental Concerns: SF₆ is a potent greenhouse gas with a global warming potential (GWP) of 23,500 times that of carbon dioxide (CO₂) over a 100-year period. Consequently, there is increasing concern about its impact on climate change. Efforts are being made to reduce SF₆ emissions and find alternative technologies.

It's important to handle SF₆ with caution, following safety guidelines and regulations, as it is a compressed gas and can displace oxygen in confined spaces. Proper storage, transport, and disposal methods should be adhered to when working with SF₆.

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/M ³	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

Specifications

Specifications	Company Standard
SF ₆	≥ 99.995%
Air	≤ 10 ppm
CF ₄	≤ 2 ppm
C ₂ F ₆	≤ 20 ppm
C ₃ F ₈	≤ 5 ppm
Low Sulfide	Not Detected
H ₂ O	≤ 1 ppm
Acidity as HF	≤ 0.1 ppm
Hydrolysable Fluorides as HF	≤ 0.3 ppm
Mineral Oil	≤ 1 ppm

Detailed Photo



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	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



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