



China Cylinder Gas Best Price High Purity 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
- Boiling Point: -63.8 °C
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- Melting Point: -50.8 °C
- Appearance: Colorless, Odorless
- Transport Package: 40L, 47L, 50L, 500L Etc
- Specification: 40L, 47L, 50L, 500L Etc
- Trademark: CMC
- Origin: China
- HS Code: 28129019
- Supply Ability: 5000tons/Year
- CAS No.: 2551-62-4
- Formula: Sf6
- EINECS: 219-854-2



More Images



High Purity SF6 Sulfur Hexafluoride Cylinder Specialty Gases

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, hence its chemical formula SF6. Here are some key characteristics and uses of sulfur hexafluoride:

Density: SF6 is significantly denser than air, approximately five times denser. This high density makes it useful in a variety of applications.

Electrical Insulator: SF6 is an excellent electrical insulator, which makes it widely used in high-voltage electrical transmission and distribution equipment such as circuit breakers, switchgear, and transformers. It helps in preventing electrical arcing and is particularly effective in extinguishing electrical arcs that may occur during the interruption of high-voltage currents.

Dielectric Medium: Due to its high dielectric strength, SF6 is used as a dielectric medium in high-voltage power equipment, such as gas-insulated switchgear (GIS). It allows for compact designs and efficient electrical insulation.

Medical Applications: Sulfur hexafluoride is used as a contrast agent in medical imaging procedures. When injected into the body, it can enhance the visibility of blood vessels during ultrasound examinations and improve the quality of echocardiograms.

Industrial Applications: SF6 finds applications in various industrial processes, such as plasma etching in semiconductor manufacturing, magnesium casting, and soundproofing of windows.

Environmental Impact: While sulfur hexafluoride itself is not harmful to human health, it is a potent greenhouse gas with a high global warming potential (GWP). SF6 has a GWP of 23,900, meaning it is 23,900 times more effective at trapping heat in the atmosphere over a 100-year period compared to carbon dioxide (CO2). Efforts are being made to reduce its use and find alternative gases with lower environmental impacts.

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

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 Fluorides as HF	≤ 0.3 ppm
Mineral Oil	≤ 1 ppm

Detailed Photo



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.

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	AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂	
TMAI	DMZn	DEZn	GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO	



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