



Cylinder Gas China Best Price Refrigerant CF4 Carbon Tetrafluoride

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CF4
- Minimum Order Quantity: 1kg
- Price: US \$14/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Carbon Tetrafluoride Gas
- Melting Point: -184 °C
- Valve: Cga580
- Appearance: Colorless, Odorless
- Boiling Point: -128.1 °C
- Cylinder Standard: DOT/ISO/GB
- Cylinder Pressure: 15MPa/20MPa
- Model No.: Tetrafluoromethane Gas
- Transport Package: 40L, 47L, 50L
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 28261990
- Supply Ability: 20000tons/Year
- CAS No.: 75-73-0



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Product Description

Carbon tetrafluoride gas (CF4) is a colorless and odorless gas composed of one carbon atom bonded to four fluorine atoms. It is also known as tetrafluoromethane. Here are some key points about carbon tetrafluoride gas:

Properties: Carbon tetrafluoride gas possesses several important properties:

Chemical Formula: CF4

Molecular Weight: 88.0043 grams per mole

Boiling Point: -128.2 degrees Celsius (-198.8 degrees Fahrenheit)

Melting Point: -183.6 degrees Celsius (-298.5 degrees Fahrenheit)

Density: 3.72 kg/m³ (at 25 degrees Celsius and 1 atmosphere pressure)

Production: Carbon tetrafluoride can be produced by the reaction of carbon or carbon-containing compounds with fluorine gas. It is also a byproduct of the aluminum smelting process.

Uses: Carbon tetrafluoride gas has various applications:

Electronics: CF4 is commonly used in the electronics industry as a plasma etching gas in the manufacturing of semiconductors. It is used to selectively remove specific layers of materials from the surface of semiconductor wafers during the fabrication process.

Medical Applications: CF4 has been used as a contrast agent in medical imaging, particularly for ultrasound examinations. However, its use in this application has decreased due to concerns about potential adverse effects.

Fire Extinguishers: Carbon tetrafluoride gas was historically used as a fire extinguishing agent in certain specialized applications. However, its use as a fire suppressant has been largely phased out due to environmental concerns.

Insulation: CF4 is sometimes used as an insulating gas in high-voltage electrical equipment, such as transformers and switchgear.

Research and Development: Carbon tetrafluoride is utilized in various research and development applications, including as a reference gas in analytical chemistry and as a precursor or reactant in certain chemical reactions.

Safety Considerations: Carbon tetrafluoride gas is non-toxic and does not pose significant health hazards under normal conditions. However, it is important to handle it with caution due to the following considerations:

Environmental Impact: Carbon tetrafluoride is a potent greenhouse gas with a high global warming potential. It has a long atmospheric lifetime and contributes to the depletion of the ozone layer. As a result, its use and emission should be minimized to reduce its impact on climate change and ozone depletion.

Fire Hazard: While CF4 is non-flammable, it can support combustion and may contribute to the intensity of a fire if present in sufficient concentrations.

Ventilation: When working with carbon tetrafluoride gas, adequate ventilation should be ensured to prevent its accumulation in confined spaces.

Protective Measures: Personal protective equipment, such as gloves, goggles, and respiratory protection, may be necessary when handling or working with CF4, depending on the specific application and exposure conditions.

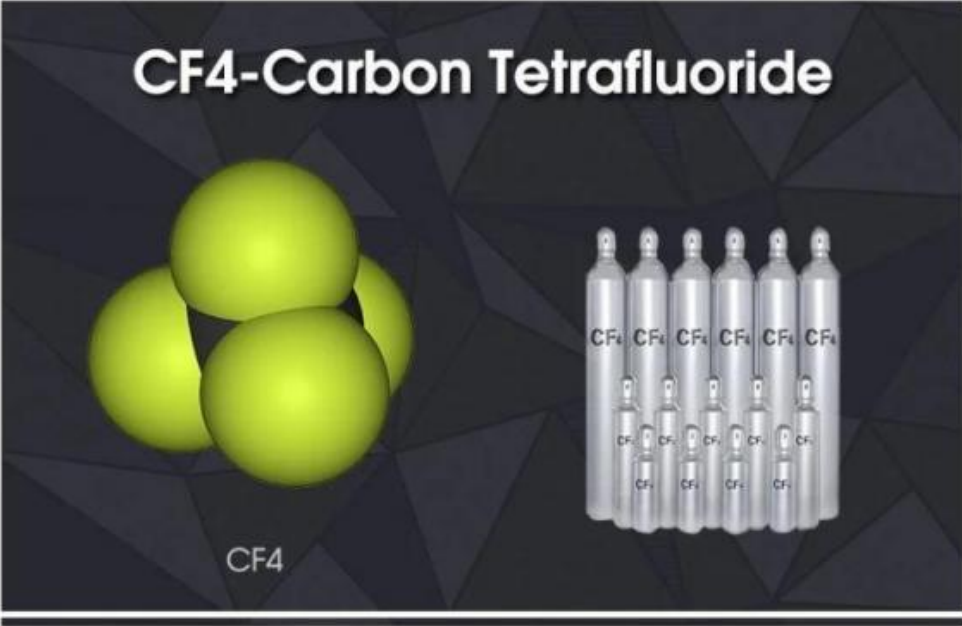
It is important to adhere to safety guidelines, regulations, and best practices when handling and using carbon tetrafluoride gas to minimize risks to human health, safety, and the environment.

Product Description

Basic Info.

DOT Class	2.2	Un No	1982
Cylinder	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Cga580	Melting Point	-184 °C
Appearance	Colorless, Odorless	Boiling Point	-128.1°C
Density	3.72 Kg/M3;	Molecular Weight	88
Transport Package	40L, 47L, 50L	Specification	100.00%
Trademark	CMC	Origin	China
HS Code	28261990	Production Capacity	2,000 Tons/Year

Product Description



Specification:

Specifications	Company Standard
CF4	≥ 99.999%
O2+AR	≤ 1 ppm
N2	≤ 2 ppm
H2	≤ 0.3 ppm
CO	≤ 0.3 ppm
CO2	≤ 0.3 ppm
SF6	≤ 0.3 ppm
THC	≤ 0.3 ppm
OFC	≤ 1 ppm
Moisture	≤ 1 ppm

Detailed Photo



Packaging & Shipping

PACKING & SHIPPING



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	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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