



## Electronics Production Application Semiconductor Industry Usage CF3h Trifluoromethane

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CF3h
- Minimum Order Quantity: 1kg
- Price: US \$150/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 30 days
- Payment Terms: T/T
- Supply Ability: 200 Tons/Year



### Product Specification

- Model NO.: CF3H
- Product Name: Trifluoromethane
- Cylinder Standard: DOT/ISO/GB
- Valve: Cga330
- Appearance: Colorless Gas
- Purity: 99.99%
- Boiling Point: 12.5°C
- Melting Point: -107.3°C
- Transport Package: Cylinder
- Specification: 44L 100L 270L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2903410000
- Supply Ability: 250t/M
- CAS No.: 7783-80-4



### More Images



## Product Description

### Our Product Introduction

#### Product Description

Trifluoromethane, also known as carbon trifluoride or Freon-23, is a halocarbon compound with the chemical formula  $\text{CF}_3\text{H}$ . It is a colorless, odorless gas at room temperature and pressure. Trifluoromethane is a member of the fluoroalkane family and is composed of one carbon atom bonded to three fluorine atoms.

Here are a few key points about trifluoromethane:

Properties:

Chemical formula:  $\text{CF}_3\text{H}$

Molecular weight: 70.01 g/mol

Boiling point:  $-82.1\text{ }^\circ\text{C}$  ( $-115.8\text{ }^\circ\text{F}$ )

Melting point:  $-149.8\text{ }^\circ\text{C}$  ( $-237.6\text{ }^\circ\text{F}$ )

Density: 1.45 g/L (at  $25\text{ }^\circ\text{C}$ , 1 atm)

Solubility: Insoluble in water

Uses:

**Refrigerant:** Trifluoromethane has been used as a refrigerant in various applications, although its use has been phased out in many countries due to its contribution to ozone depletion and global warming.

**Fire suppression:** Trifluoromethane can be used as a fire suppression agent in certain applications, such as in computer server rooms, where water-based systems may damage electronic equipment.

**Industrial applications:** It is used in certain industrial processes, such as in the production of semiconductors and electronics.

**Medical applications:** Trifluoromethane has limited applications in the medical field, such as cryotherapy (freezing) of specific tissues.

**Environmental impact:**

Trifluoromethane, along with other chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs), has been identified as a potent greenhouse gas and an ozone-depleting substance. It has a high global warming potential (GWP), meaning it has a significant impact on climate change when released into the atmosphere. As a result, its production and use have been regulated under international agreements like the Montreal Protocol.

It's important to note that regulations and guidelines regarding the production, use, and environmental impact of trifluoromethane may vary between countries, so it's always advisable to refer to local regulations and expert advice for specific information.

#### Specification:

Product Name	Trifluoromethane		Chemical Formula	$\text{CHF}_3$
Hazard Class	2.2		Molecular Weight	70.014
CAS	75-46-7		UN	1984
Boiling Point	at 1.013 bar [ $^\circ\text{C}$ ]	-82.16	at 14.5 psi, [ $^\circ\text{F}$ ]	-115.87
Density	at 1.013 bar, $15^\circ\text{C}$ , [ $\text{kg}/\text{m}^3$ ]	2.986	at 1 atm., $70^\circ\text{F}$ , [ $\text{lb}/\text{ft}^3$ ]	0.182

#### Detailed Photos

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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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) 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						Ar+O2
TMAI	DMZn	DEZn						Xe+NO
AsH3	C2H4	C2H2	HBr	COS	GeCl4			



### Our Advantages

1. Fast delivery;
  2. Stable raw material source;
  3. On-line analysis system for quality control in every step;
  4. High requirement and meticulous process for handling cylinder before filling;
- Our carbon monoxide have been exported to many countries like India, Pakistan, Malaysia, Indonesia, Australia, Singapore, Maldives and Ecuador.  
Since the establishment of our company, it has received universal praise by virtue of good reputation, high quality and perfect after service.

### FAQ

**1. Q: Are you a factory or a trading company?**

A: We are a manufacture and trade integration company. Expert R&D department and sophisticated supply chain is our key of success.

**2. Q: Are bulk orders and multiple product orders available?**

A: Yes, we have a strong production supply system to make sure all of your requirements satisfied. One station product solution is our aim of service.

**3. Q: What if I never imported this product before, how do I do it?**

A: Don't worry. We have import and export experience with over 50 countries over the world, our fulfillment department will guide you every step of the process.

**4.Q: What is the MOQ?**

Different products have different min order. It's depends on the kind the gas and the cylinder specifications. Please feel free to contact with me directly for your requirement.

**5. Q: Why choice us Kemike Gas ?**

A: Stable Supply, Professional Solution, Reasonable Price, and Safety Business with our Taiyu.

**6. Q: How does your factory do the quality control?**

A: We have standard quality control procedure.

a> In production, we have quality analysis system to make sure each step is qualified.

b> Before filling, we do the pre-treatment for the cylinders to clean well.

c> After filling, we will do 100% inspection analyze before delivery.

**7. Q:Is it possible to ship by air?**

A:Gases are classified into class 2.1, class 2.2 and class 2.3 which are inflammable gas, non-flammable gas and poisonous gas.

According to regulation, inflammable gas and poisonous gas cannot be shipped by air, and only non-flammable gas can be transported by air. If the amount purchased is large, sea transportation is better.

**8. Q:Can I customize the package?**

A:Yes of course! The most regular package is cylinder. Its size, color, valve, design and other requirements can all be met.

**9. Q: What is the package & storage details?**

A:Seamless steel cylinder with different valves, or as to your requirement.

Stored in shady, cool, dry, ventilated warehouse, and keep away from sunlight and ramming.

**10. More question.....**

Feel free to contact us, you will get immediately reply.



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