



## Medical Electronics Semiconductors Production Applications R23 Refrigerant CHF3 Trifluoromethane

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CHF3
- 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

Trifluoromethane



### Product Specification

- Model NO.: CHF3
- 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

### Product Description

Trifluoromethane, also known as carbon trifluoride or Freon-23, is a colorless, odorless, non-flammable gas with the chemical formula  $\text{CF}_3\text{H}$ . It belongs to the class of fluorocarbons, which are compounds consisting of carbon and fluorine atoms.

Here are some key points about trifluoromethane:

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

Molecular Weight: 70.01 g/mol

Structure: Trifluoromethane consists of a carbon atom bonded to three fluorine atoms. It has a tetrahedral molecular geometry.

Physical Properties: Trifluoromethane is a gas at room temperature and atmospheric pressure. Its boiling point is  $-82.1^\circ\text{C}$  ( $-115.8^\circ\text{F}$ ), and its melting point is  $-160.0^\circ\text{C}$  ( $-256.0^\circ\text{F}$ ).

Uses: Trifluoromethane has various applications, including as a refrigerant, fire extinguishing agent, and propellant. It was commonly used in some older air conditioning and refrigeration systems, but its use has been phased out due to its contribution to ozone depletion.

Environmental Impact: Trifluoromethane is an ozone-depleting substance (ODS) and a potent greenhouse gas with a high global warming potential (GWP). Its production and use have been regulated under international agreements, such as the Montreal Protocol and the Kyoto Protocol.

Safety Considerations: Trifluoromethane is not toxic. However, it is a simple asphyxiant, meaning it can displace oxygen in poorly ventilated areas, leading to a lack of breathable air. Proper precautions should be taken when handling or working with trifluoromethane to ensure safety.

### 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

# Trifluoromethane





## 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.

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



### 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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