



CHF3 Factory Supply Refrigerant Gas Good Price Trifluoromethane R23

Our Product Introduction

for more products please visit us on gascylindertank.com

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



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

Trifluoromethane, also known as carbon trifluoride or Freon-23, is a hydrofluorocarbon (HFC) compound with the chemical formula CF₃H. It consists of one carbon atom bonded to three fluorine atoms. Trifluoromethane is a colorless, odorless gas at room temperature and pressure.

Here are some key points about trifluoromethane:

Uses: Trifluoromethane has various applications due to its unique properties. It is commonly used as a refrigerant in commercial and industrial cooling systems, including air conditioning equipment and refrigerators.

Environmental Impact: Trifluoromethane is classified as a greenhouse gas and contributes to global warming. It has a high global warming potential (GWP), which means it has a much greater impact on climate change compared to carbon dioxide (CO₂). Therefore, efforts have been made to reduce the use of trifluoromethane and replace it with alternative refrigerants with lower environmental impact.

Safety: Trifluoromethane is considered non-toxic and does not pose significant health risks when handled properly. However, it is important to follow safety guidelines and use appropriate protective equipment when working with this gas, as high concentrations in confined spaces can displace oxygen and cause asphyxiation.

Chemical Properties: Trifluoromethane is chemically stable and non-flammable under normal conditions. It has a boiling point of -82.2°C (-116°F) and a melting point of -150.8°C (-239.4°F). It is not soluble in water but can dissolve in some organic solvents.

Industrial Production: Trifluoromethane is primarily produced by the reaction of chloroform (CHCl₃) with hydrogen fluoride (HF) in the presence of a catalyst. The reaction results in the substitution of chlorine atoms in chloroform with fluorine atoms, leading to the formation of trifluoromethane.

It's worth noting that regulations and environmental concerns surrounding the use of hydrofluorocarbons, including trifluoromethane, continue to evolve. The phase-out of certain refrigerants is being implemented in many countries to mitigate their impact on climate change, and alternative refrigerants with lower GWPs are being developed and adopted.

Specification:

| | | | | |
|---------------|-------------------------------|--------|--------------------------|------------------|
| Product Name | Trifluoromethane | | Chemical Formula | CHF ₃ |
| Hazard Class | 2.2 | | Molecular Weight | 70.014 |
| CAS | 75-46-7 | | UN | 1984 |
| Boiling Point | at 1.013 bar [°C] | -82.16 | at 14.5 psi,[°F] | -115.87 |
| Density | at 1.013 bar,15°C, [kg/m³] | 2.986 | at 1 atm., 70°F,[lb/ft³] | 0.182 |

Detailed Photos





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 | | | | | | 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 | | | |



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.



Shanghai Kemike Chemical Co.,Ltd



+86 18762990415



williamchen@cmc-chemical.com



gascylindertank.com