



## China Good Quality Industrial Grade Cylinder Gas C3h6 Gas Propylene

### Our Product Introduction

for more products please visit us on [gascylindertank.com](http://gascylindertank.com)

#### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C3h6
- Minimum Order Quantity: 1kg
- Price: US \$3/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



#### Product Specification

- Product Name: Propylene Gas
- Molecular Weight: 42.08
- Specificatio: 99.5%
- Melting Point: -185 °C
- Cylinder Pressure: 3MPa/15MPa/20MPa
- Transport Package: 118L, 800L
- Specification: 118L, 800L
- Origin: China
- HS Code: 29012200
- Supply Ability: 20000 Tons/Year
- CAS No.: 42.08
- Formula: C3h6
- EINECS: 115-07-1
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



#### More Images



## Product Description

### Product Description

Propylene gas, also known as propene (C<sub>3</sub>H<sub>6</sub>), is a colorless, flammable gas with a sweet odor. It is one of the most important building blocks in the petrochemical industry and has various industrial applications. Here are some key points about propylene gas:

**Properties:** Propylene gas possesses several important properties:

**Flammability:** Propylene is a highly flammable gas that can form explosive mixtures with air. It has a lower flammability limit (LFL) of 2.2% and an upper flammability limit (UFL) of 12.8%.

**Odor:** Pure propylene gas has a slightly sweet, gasoline-like odor.

**Density:** Propylene gas is denser than air, so it tends to sink and accumulate in low-lying areas in the absence of air currents.

**Production:** Propylene gas is primarily produced as a byproduct of petroleum refining and the steam cracking of hydrocarbon feedstocks, such as ethane, propane, and naphtha. It is separated from the other components of the cracking process through various refining methods.

**Uses:** Propylene gas has diverse industrial applications:

**Petrochemical Industry:** Propylene is a critical raw material in the production of various chemicals. It is used in the manufacturing of polypropylene (a widely used plastic), propylene oxide, acrylonitrile, isopropyl alcohol, and other derivatives. Polypropylene is particularly important and finds applications in packaging, textiles, automotive components, and many other sectors.

**Fuel Gas:** Propylene can be used as a fuel gas for heating, cooking, and other energy applications.

**Chemical Synthesis:** Propylene serves as a starting material for the synthesis of other compounds, such as propylene glycol, propylene carbonate, and acrylic acid.

**Refrigeration:** Propylene is used as a refrigerant in certain industrial refrigeration systems.

**Safety Considerations:** Propylene gas is highly flammable and should be handled with care. Here are some safety considerations:

**Storage and Handling:** Propylene gas should be stored in appropriate containers or cylinders designed for flammable gases. It should be handled in well-ventilated areas, away from ignition sources and heat.

**Fire Hazards:** Propylene can form explosive mixtures with air. Proper precautions should be taken to prevent the accumulation of flammable concentrations and minimize the risk of ignition.

**Toxicity:** Propylene gas itself is not highly toxic. However, exposure to high concentrations of propylene vapor in enclosed spaces may lead to asphyxiation due to oxygen displacement.

When working with propylene gas, it is important to follow all safety guidelines and regulations, including proper storage, handling, and ventilation practices, and to have appropriate fire safety measures in place.

Please note that the handling and use of propylene gas may be subject to specific safety regulations and requirements, depending on the jurisdiction and application.

#### Basic Info.

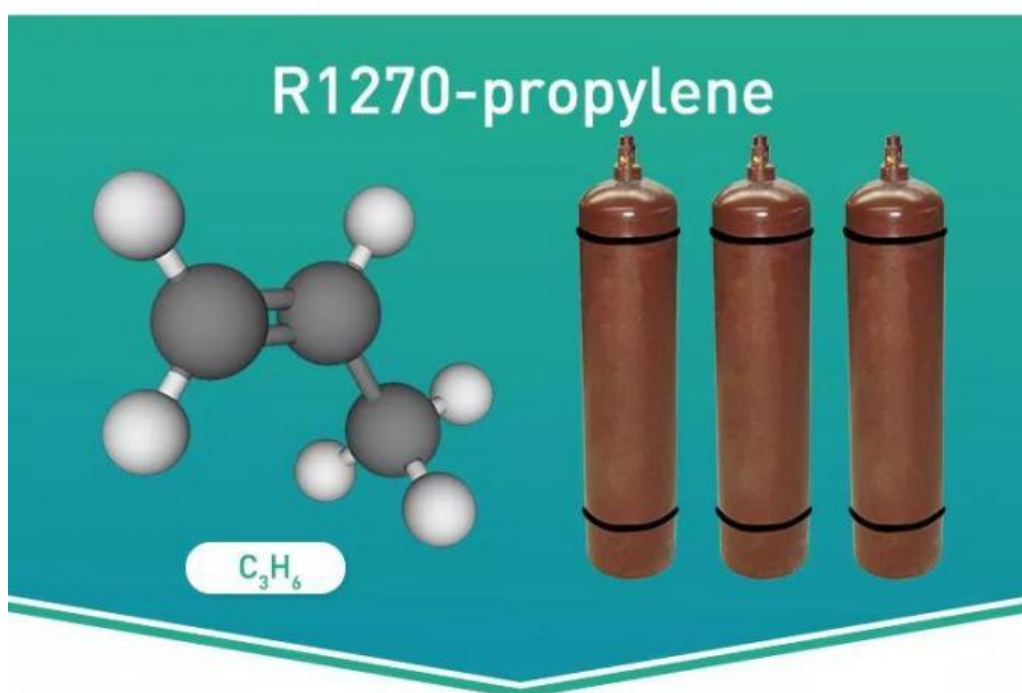
Model NO.	C <sub>3</sub> H <sub>6</sub> Gas	DOT Class	2.1
Un No	1077	Cylinder Standard	GB/ISO/DOT
Cylinder Pressure	3MPa/15MPa/20MPa	Valve	Qf-30A/Bxf-1/Cga350
Melting Point	-185 °C	Appearance	Colorless, Odorless, Slightly Sweet
Boiling Point	-47.7 °C	Density	1.914 Kg/M <sup>3</sup>
Molecular Weight	42.08	Transport Package	47L, 118L, 926L, ISO Tank
Specification	99.50%	Trademark	CMC
Origin	China	HS Code	29012200
Production Capacity	20,000 Tons/Year		





#### Product Description

### PRODUCT



Propylene, an organic compound, is a colorless, odorless, slightly sweet gas, flammable, burning will produce bright flame, in the air explosion limit is 2.4% ~ 10.3%; Insoluble in water, soluble in ethanol, ether.



Specification:

Specification	Company Standard
C3H6	≥ 99.5%
Sulfur	< 1 ppm
Moisture	< 0.001%

## PRODUCT DETAILS



## PRODUCT LINE



Why Choose 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: 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.



## Main products



Boron Trichloride



Hydrogen Sulfide



Hydrogen Chloride



Methane



Sulfur Hexafluoride



Nitrous Oxide



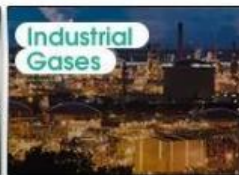
Carbon Monoxide



Ethylene



## Products center



## WHY CHOOSE US



### EXPERIENCE

16 years of industrial gases experience.



### PROFESSIONAL

Professional R&D team and detection equipment.



### QUALITY

Quality assurance and competitive price.



### COMPREHENSIVE

Comprehensive specialty gases supplier.



### CUSTOMIZABLE

Gas purity could be customization.



### BEST BRAND

Package cylinder must be best brand with international standard.



### INSPECTION

100% inspection analysis after production done.



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