



China Supply High Purity Cylinder Gas C₂H₂ Gas Price Acetylene

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C₂H₂
- Minimum Order Quantity: 1kg
- Price: US \$25/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 2000 Pcs/Month



Product Specification

- Product Name: Acetylene Gas
- Boiling Point: -83.4 °C
- Appearance: Colorless And Odorless
- Melting Point: -81.8 °C
- Cylinder Pressure: 15MPa
- Cylinder Standard: GB/ISO/DOT
- Model No.: Acetylene
- Transport Package: Cylinder
- Specification: 40L
- Trademark: CMC
- Origin: China
- HS Code: 29012920
- Supply Ability: 2000cylinder/Month
- CAS No.: 74-86-2
- Formula: C₂H₂



Acetylene Gas

Product Description

Product Description

Acetylene gas (C₂H₂) is a highly flammable hydrocarbon gas that is commonly used in various industrial applications. It is a colorless gas with a distinct odor, and it is composed of two carbon atoms bonded to two hydrogen atoms. Here are some key points about acetylene gas:

Properties: Acetylene gas is highly flammable and can form explosive mixtures with air. It has a wide flammability range, meaning it can ignite and burn even at relatively low concentrations. Acetylene is lighter than air, so it can disperse and accumulate in high concentrations in poorly ventilated areas.

Production: Acetylene gas is typically produced through the reaction of calcium carbide (CaC₂) with water (H₂O) in a process called hydrolysis: $\text{CaC}_2 + 2\text{H}_2\text{O} \rightarrow \text{C}_2\text{H}_2 + \text{Ca(OH)}_2$

This reaction generates acetylene gas along with calcium hydroxide as a byproduct.

Uses: Acetylene gas has several important applications:

Welding and Cutting: Acetylene is widely used as a fuel gas in oxyacetylene welding and cutting torches. When mixed with oxygen and ignited, it produces a high-temperature flame that can melt and join metals.

Chemical Synthesis: Acetylene serves as a starting material for the synthesis of various organic compounds. It is used in the production of plastics, solvents, pharmaceuticals, and other chemicals.

Lighting: Historically, acetylene gas was used in acetylene lamps for portable lighting. However, these lamps have largely been replaced by electric lighting systems.

Calibration Gas: Acetylene gas can be used as a calibration gas in analytical instruments due to its well-defined properties and stability.

Safety Considerations: Due to its flammability and potential for explosive decomposition, acetylene gas should be handled with extreme caution. It requires specific storage, transportation, and handling procedures to minimize the risk of accidents. Acetylene gas cylinders are typically filled with a porous material, such as acetone, to stabilize the gas and reduce the risk of decomposition.

When working with acetylene gas, it is crucial to follow strict safety guidelines, including using appropriate gas handling equipment, ensuring proper ventilation, and taking precautions to prevent ignition sources in the vicinity.

It's important to handle and use acetylene gas responsibly, adhering to established safety protocols to ensure the safety of personnel and the surrounding environment.

Basic Info.

Model NO.	C ₂ H ₂	Un	1001
Hazard Class	2.1	Label	Common
Analysis Report	Certificate of Conformity	Chemical Formula	C ₂ H ₂
Purity	98%	Widely Used	Electronically Conducting Plastics
Product Name	Acetylene	Transport Package	Cylinder/Tank
Specification	40L or others	Trademark	CMC
Origin	Suzhou, Jiangsu, China	HS Code	29012920
Production Capacity	2000cylinder/Month		

Specification:

Physical Index			
Purity	99.95%	Application	1. Ripening
UN	UN1962		2. API
CAS	74-85-1		3. Refrigerant
EINECS	200-815-3		

Specification	≥99.999%
O ₂	<0.5ppm
N ₂	<2ppm
H ₂ O	<0.5ppm
Argon	<2ppm
CO ₂	<0.5ppm
CH ₄	<0.5ppm
XE	<2ppm
CF ₄	<0.5ppm
H ₂	<0.5ppm

Gas	Acetylene		Chemical Formula	C ₂ H ₂
Hazard Class	2.1		Molecular Weight	26.038
CAS	74-86-2		UN	1001
Boiling Point	at 1.013 bar [°C]	-84.15	at 14.5 psi, [°F]	-241.17

Density	at 1.013 bar, 15°C, [kg/m³]	1.109	at 1 atm., 70°F, [lb/ft³]	0.068
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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			



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