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 ºC
- Appearance: Colorless And Odorless
- Melting Point: -81.8 ºC
- 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

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: CaC2 + 2H2O → C2H2 + 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 However, these lamps have largely been replaced by electric lighting systems.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.	C2H2	Un	1001
Hazard Class	2.1	Label	Common
Analysis Report	Certificate of Conformity	Chemical Formula	C2h2
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%
O2	<0.5ppm
N2	<2ppm
H2O	<0.5ppm
Argon	<2ppm
CO2	<0.5ppm
CH4	<0.5ppm
XE	<2ppm
CF4	<0.5ppm
H2	<0.5ppm

Gas	Acetylene		Chemical Formula	C2H2
Hazard Class	2.1		Molecular Weight	26.038
CAS	74-86-2		UN	1001
Boiling Point	at 1.013 bar [ºC]	-84.15	at 14.5 psi, [ºF]	-241.17

Density	at 1.013 bar,15ºC, [kg/m³]	1.109	at 1 atm., 70ºF, [lb/ft³]	0.068

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.

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	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

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