China Hot Sale 99.95% High Purity Best C2h4 Cylinder Gas Ethylene

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C2h4
- Minimum Order Quantity: 1kg
- Price: US $2/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000Tons/Year

Product Specification

- Product Name: Ethylene Gas
- Melting Point: -169.4 ºC
- Cylinder Pressure: 15MPa/20MPa
- Transport Package: Sea Transportation
- Specification: 10L 40L 47L 50L And
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2901210000
- Supply Ability: 500, 000ton/Year
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade
- Chemical Property: Inflammable Gas
- Boiling Point: -103.9 ºC
- Appearance: Colourless
- Valve: Qf-30A/Cga350

More Images

Product Description

Product Description

C2H4 gas refers to ethylene gas, which is a colorless, flammable gas composed of two carbon atoms bonded to four hydrogen atoms (C2H4). Ethylene is a naturally occurring plant hormone and is also produced industrially for various applications. Here are some key points about C2H4 gas:

Properties: Ethylene gas has several important properties:

Flammability: Ethylene is a highly flammable gas and can form explosive mixtures with air. It has a lower flammability limit (LFL) of 2.7% and an upper flammability limit (UFL) of 36%.

Odor: Ethylene has a slightly sweet, pleasant odor at low concentrations, but it may be undetectable at higher concentrations.

Density: Ethylene gas is slightly lighter than air, so it tends to rise and disperse in the atmosphere.

Production: Ethylene gas is primarily produced through the steam cracking of hydrocarbon feedstocks, such as natural gas, naphtha, or ethane. Steam cracking involves heating the feedstock to high temperatures, breaking the carbon-carbon bonds, and producing a mixture of hydrocarbon gases, including ethylene.

Uses: Ethylene gas has numerous industrial applications:

Petrochemical Industry: Ethylene is a vital building block for the petrochemical industry. It is used as a raw material in the production of various chemicals, including polyethylene, ethylene oxide, ethylene glycol, vinyl chloride, and many others.

Ripening Agent: Ethylene is involved in the ripening process of fruits. It is used in controlled environments to accelerate the ripening of certain fruits, such as bananas and tomatoes.

Plant Hormone: Ethylene acts as a plant hormone that regulates various physiological processes in plants, including fruit ripening, flowering, leaf senescence, and responses to stress.

Welding: Ethylene gas is occasionally used as a fuel gas in oxyfuel welding and cutting processes, although it is less common than acetylene.

Safety Considerations: Ethylene gas is flammable and should be handled with caution. Here are some safety considerations:

Storage and Handling: Ethylene 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: Ethylene gas can form explosive mixtures with air. Therefore, precautions should be taken to prevent the accumulation of flammable concentrations and to minimize the risk of ignition.

Toxicity: Ethylene gas itself is not highly toxic. However, it can displace oxygen in confined spaces, leading to an oxygen-deficient environment. Proper ventilation is essential when working with ethylene gas.

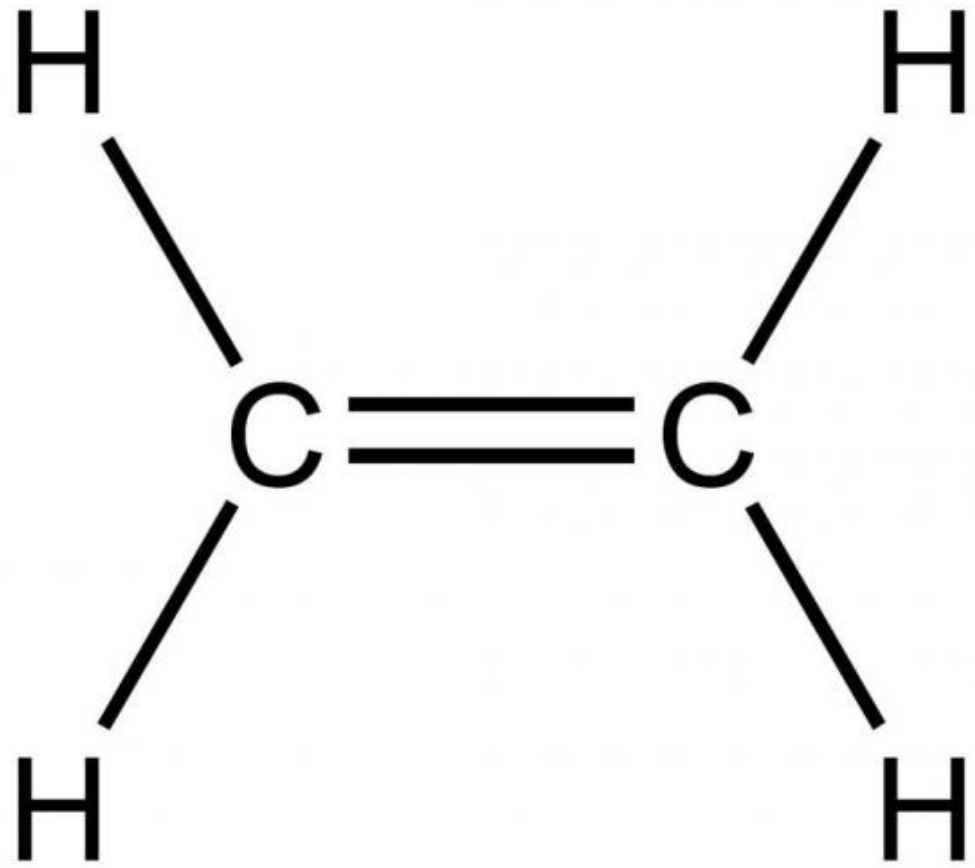
When working with ethylene gas, it is important to follow all safety guidelines and regulations, including proper storage, handling, and ventilation practices, and to have appropriate fire safety measures in place.

Please note that ethylene gas is primarily an industrial product, and its handling and use may be subject to specific regulations and safety requirements.

Basic Info.

DOT Class	2.1	Un No	1962
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	12.5MPa/15MPa/20MPa
Valve	Qf-30A/Cga350	Melting Point	-169.4 ºC
Appearance	Colorless	Boiling Point	-103.9 ºC
Density	1.178 Kg/M³	Molecular Weight	28.06
Transport Package	10L/40L/47L/50L	Specification	99.95%
Trademark	CMC	Origin	Suzhou,China
Trademark	2901210000	Production Capacity	500, 000ton/Year

Detailed Photos



Product Parameters

Specification:

CAS No.: 74-85-1
EINECS No.: 200-815-3
UN No.: UN1962
Purity: 99.95%
Dot Class: 2.1
Appearance: Colorless
Grade Standard: Agriculture Grade, Industrial Grade

C2H4 - Ethylene	99.95% min	Units

CH4+C2H6	≤500ppm	ppm
C3 and higher	≤10	ppm
CO	≤1	ppm
CO2	≤5	ppm
O2	≤2	ppm
C2H2	≤3	ppm
S	≤1	mg/kg
H2	≤5	ppm
CH3OH	≤5	mg/kg
C2H6O	≤1	mg/kg
H2O	≤5	ppm

Packaging & Shipping

Product	Ethylene C2H4		
Package Size	40Ltr Cylinder	50Ltr Cylinder	T75 ISO Tank
Filling Net Weight/Cyl	10Kgs	17Kgs	9 Tons
QTY Loaded in 20'Container	250 Cyls	250 Cyls	1 Unit
Total Net Weight	2.5 Tons	4.0 Tons	9 Tons
Cylinder Tare Weight	50Kgs	55Kgs	8170kgs
Valve	QF-30A / CGA350		

Company Profile

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ShangHai CMC 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.

Certifications

Workshop Display:


Monitor


Laboratory


Equipment


Zone of rectification


Gas filling


Equipment

Shipping Methods

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