

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

Basic Information

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



Product Specification

Product Name: Ethylene Gas
 Melting Point: -169.4
 ⁹C
 Cylinder Pressure: 15MPa/20MPa
 Transport Package: Sea Transportation
 Specification: 10L 40L 47L 50L And

• Trademark: CMC

• Origin: Suzhou, China 2901210000 HS Code: • Supply Ability: 500, 000ton/Year Constituent: Industrial Pure Air Grade Standard: Industrial Grade Inflammable Gas Chemical Property: Boiling Point: -103.9 ºC Appearance: Colourless Valve: Qf-30A/Cga350



More Images









Product Description

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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 °C

Appearance Colorless Boiling Point -103.9 °C

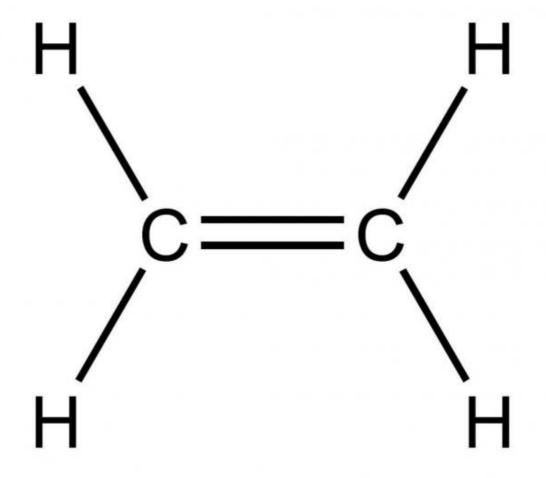
Density 1.178 Kg/M³ Molecular Weight 28.06

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

≤500ppm	ppm
≤10	ppm
≤1	ppm
≤5	ppm
≤2	ppm
≤3	ppm
≤1	mg/kg
≤5	ppm
≤5	mg/kg
≤1	mg/kg
≤5	ppm
	≤10 ≤1 ≤5 ≤2 ≤3 ≤1 ≤5 ≤5 ≤5 ≤1

Packaging & Shipping

Product Ethylene C2H4

Package Size 40Ltr Cylinder50Ltr CylinderT75 ISO Tank

Filling Net Weight/Cyl 10Kgs 17Kgs 9 Tons QTY Loaded in 250 Cyls 250 Cyls 1 Unit 20'Container Total Net Weight 2.5 Tons 4.0 Tons 9 Tons Cylinder Tare Weight 50Kgs 8170kgs 55Kgs

Valve QF-30A / CGA350

Company Profile

Company

Profile

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





Gas filling



Equipment



Shipping Methods







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