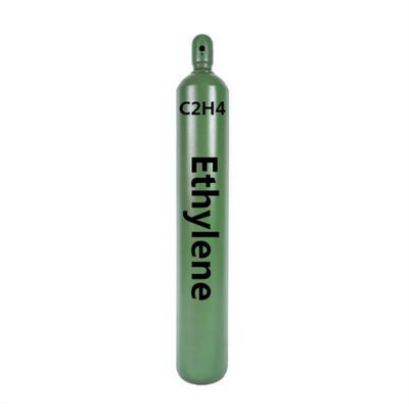
China High Quality Cylinder Gas Ethylene Cylinder C2h4 Gas Ethylene

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: 50000kg/month



Product Specification

- Product Name: Ethylene Gas
- Melting Point: -169.4ºC
- Appearance: Colorless
- Boiling Point: -103.9ºC
- Transport: By Sea
- Transport Package: Cylinder
- Specification: 40L, 47L, 50L, ISO Tank
- Trademark: CMC
- Origin: China
- HS Code: 2901210000
- Supply Ability: 500000tons/Year
- CAS No.: 74-85-1
- Formula: C2h4
- EINECS: 200-815-3
- Constituent: Industrial Pure Air

Product Description

Ethylene gas (C2H4) is a colorless and flammable hydrocarbon gas that occurs naturally in plants and is also produced industrially for various applications. Ethylene plays a crucial role in the growth and development of plants and is involved in several industrial processes. Here are some key points about ethylene gas:

Plant Hormone: Ethylene is a naturally occurring plant hormone and is involved in various physiological processes in plants, including:

Ripening: Ethylene is responsible for the ripening of fruits. It triggers the breakdown of chlorophyll and stimulates the production of enzymes that lead to fruit softening, color changes, and the release of aroma compounds.

Flowering: Ethylene influences the flowering process in some plant species, promoting the transition from vegetative growth to reproductive growth.

Senescence: Ethylene accelerates the aging and senescence of plant tissues, including leaves and petals.

Stress Response: Plants release ethylene in response to various stress factors, such as mechanical damage, pathogen attack, or environmental stressors like drought, flooding, or extreme temperatures.

Industrial Applications: Ethylene gas has several significant industrial applications:

Petrochemical Industry: Ethylene is a crucial raw material in the production of various chemicals, including polyethylene (the most widely used plastic), ethylene oxide, ethylene glycol, vinyl chloride, and more.

Fruit Ripening: Ethylene gas is used in controlled environments to accelerate the ripening of fruits, especially those that are harvested before they are fully ripe. It is commonly employed in commercial fruit storage and shipping.

Agricultural Practices: Ethylene is used in agriculture for various purposes, such as promoting uniform fruit ripening, inducing flowering and fruiting in some plant species, and stimulating the sprouting of dormant buds.

Post-Harvest Preservation: Ethylene gas is utilized to control the ripening and senescence of harvested crops during transportation and storage. It can be used to delay or accelerate the ripening process, depending on the desired outcome.

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 and transported in appropriate containers designed for flammable gases. It should be stored 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, at high concentrations, 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 the use and handling of ethylene gas may vary depending on the specific application and industry. It is important to adhere to industry-specific guidelines and regulations when using ethylene gas.

Overview

Basic Info.

Molecular Weight	28.06	Density	1.178Kg/m³
Melting Point	-169.4ºC	Boiling Point	-103.9ºC
Appearance	Colorless	Un No.	1962
DOT Class	2.1	Valve	QF-30A/CGA50
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	12.5Mpa/15Mpa/20Mpa
Transport Package	40L/47?/50L	Specification	99.95%%
Trademark	CMC	Origin	China
HS Code	2901210000	Production Capacity	500000tons/Year

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

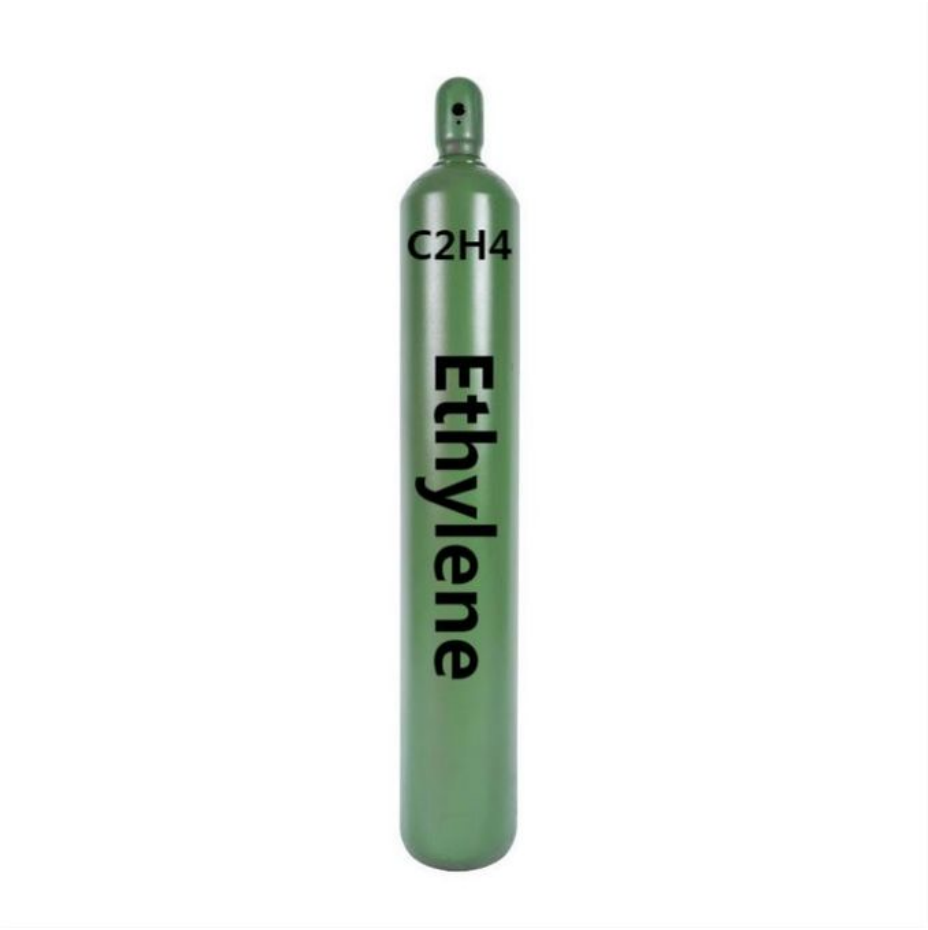
CO	≤1	ppm
CO2	≤5	ppm
O2	≤2	ppm
C2H2	≤3	ppm
S	≤1	mg/kg
H2	≤5	ppm
CH3OH	≤5	mg/kg
C2H6O	≤1	mg/kg
H2O	≤5	ppm

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

Detailed Photos

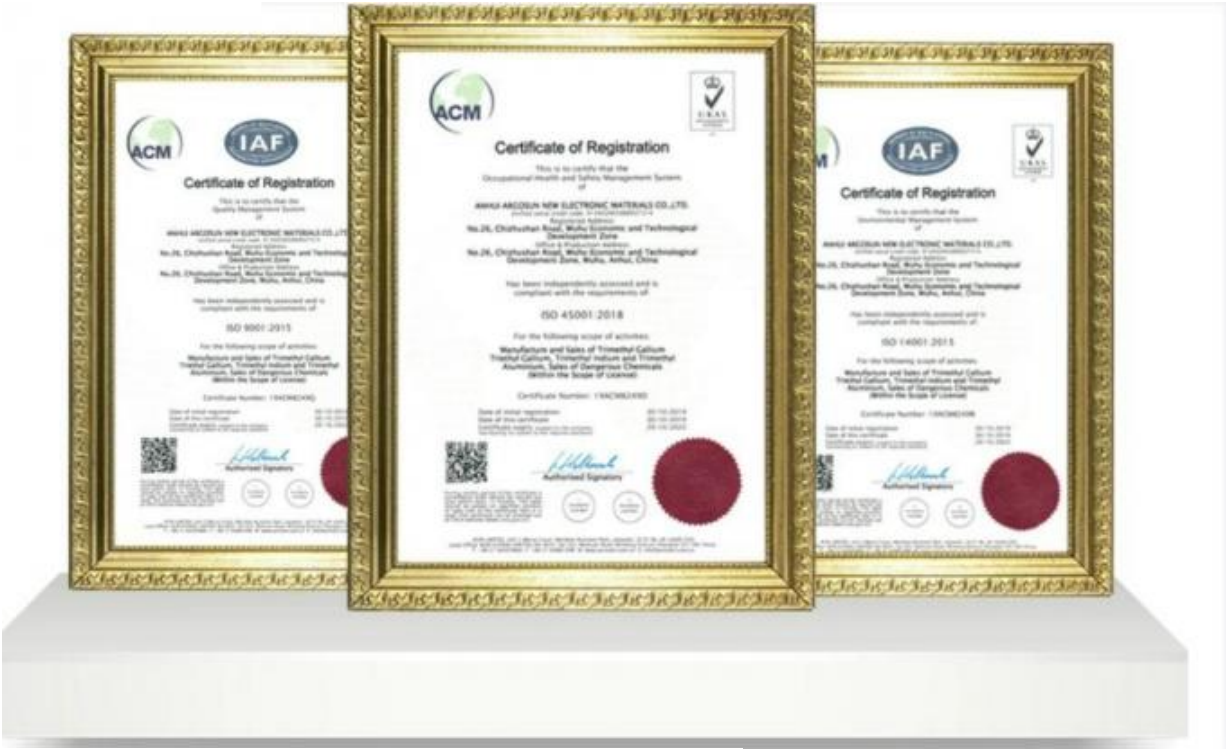


Company Profile

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.

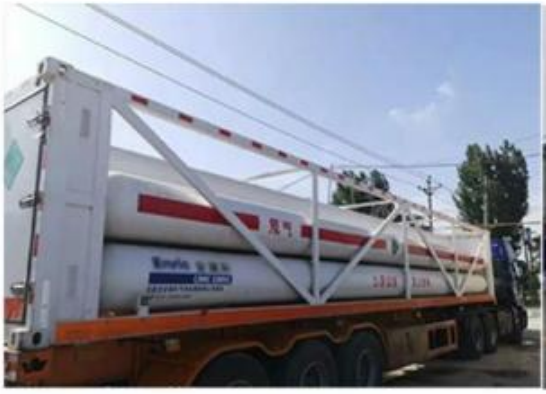
SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

Certifications



Workshop Display:

Shipping Methods



Shanghai Kemike Chemical Co.,Ltd

+86 18762990415 williamchen@cmc-chemical.com gascylindertank.com