China Electronic Grade 99.999% 5n Cylinder Gas C2h4 Ethylene

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C2h2
- 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
- Appearance: Colorless
- Model No: C2h4 Gas
- Boiling Point: -103.9ºC
- Melting Point: -169.4ºC
- Transport Package: 40L
- Specification: 40L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2812190091
- Supply Ability: 5000 Tons Per Month
- CAS No.: 74-85-1
- Formula: C2h4
- EINECS: 200-815-3
- Constituent: Industrial Pure Air

More Images

Product Description

Ethylene gas (C2H4) is a colorless, flammable gas that serves as a plant hormone and is also used in various industrial applications. Ethylene is naturally produced by plants as part of their growth and development processes. It plays a significant role in regulating plant physiology and is involved in processes such as fruit ripening, flowering, senescence (aging), and response to stress. In addition to its natural occurrence, ethylene gas can also be produced synthetically for industrial purposes. Here are some key points about ethylene gas:

Plant Hormone: Ethylene acts as a plant hormone, signaling molecule, and regulator of various physiological processes in plants. It influences the growth and development of plants, including seed germination, stem elongation, leaf and flower senescence, fruit ripening, and abscission (the shedding of leaves, flowers, or fruits).

Ripening Agent: Ethylene is commonly used as a ripening agent for fruits. When applied in controlled environments or added to fruit storage areas, it accelerates the natural ripening process. This is particularly important for fruits that require ethylene to initiate or enhance the ripening process, such as bananas, tomatoes, and avocados.

Industrial Applications: Ethylene gas is utilized in various industrial applications:

Petrochemical Industry: Ethylene is a crucial raw material in the petrochemical industry. It serves as a building block for the production of numerous chemicals, including polyethylene (the most widely used plastic), ethylene oxide, ethylene glycol, vinyl chloride, and many others.

Plastics and Polymers: Ethylene is a key component in the production of various plastics and polymers. It is used in the synthesis of polyethylene, which has a wide range of applications in packaging, containers, pipes, and many other products.

Chemical Synthesis: Ethylene serves as a starting material for the synthesis of various chemicals, including ethanol, ethylene oxide (used in the production of detergents, solvents, and plastics), and acetaldehyde (used in the manufacturing of resins, dyes, and other chemicals).

Safety Considerations: Ethylene gas is flammable and should be handled with care. It can form explosive mixtures with air, so precautions must be taken to prevent the accumulation of flammable concentrations and to minimize the risk of ignition. Proper storage, handling, and ventilation practices should be followed when working with ethylene gas.

It's important to note that while ethylene gas has various industrial applications, its use as a plant hormone for fruit ripening or other agricultural purposes is typically regulated and requires careful application to ensure optimal results and safety.

Basic Info.

Model No:	C2H4	Transport Package	Cylinder
Specification:	40L	Trademark	CMC
Origin:	Suzhou	HS Code	2812190091
Production Capacity:	5000 Tons Per Month		

Specification:

Product Name:	Ethene
Molecular Formula:	C2H4
CAS No:	74-85-1
Formula weight :	28.05
EC No:	200-815-3
Grade :	Electron Grade, Industrial Grade
Purity:	99.999%
Appearance:	Colorless
Filling weight (40L):	10kg/cylinder
Valve NO.:	QF-90A CGA350
Boiling Point:	?104°C
Melting Point:	?169°C
Cylinder Type:	DOT Steel Cylinder
Cylinder Working Pressure:	150bar

Detailed Photos


PRODUCT ETHYLENE
UN NO. 1962


C2H4 C2H4

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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