



China Best Price Factory Wholesale High Purity Cylinder Gas CH₄ Methane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: CH₄
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000kg/month



Methane Gas

Product Specification

- Product Name: Methane Gas
- Valve: Cga350
- Boiling Point: -161.5 °C
- Melting Point: -182.5 °C
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: DOT/ISO/GB
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 27112900
- Supply Ability: 20000 Tons/Year
- CAS No.: 74-82-8
- Formula: CH₄
- EINECS: 200-812-7



More Images



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Product Description

Product Description

Methane gas (CH₄) is a colorless, odorless, and highly flammable hydrocarbon gas. It is the simplest and most abundant hydrocarbon compound.

Here are some key points about methane gas:

Chemical Composition: Methane is composed of one carbon atom bonded to four hydrogen atoms (CH₄).

Properties: Methane possesses several important properties:

Flammability: Methane is highly flammable, and it can combust in the presence of an ignition source and sufficient oxygen. It is the primary component of natural gas, which is widely used as a fuel for heating, cooking, and electricity generation.

Greenhouse Gas: Methane is a potent greenhouse gas, meaning it has a significant impact on Earth's climate system. It has a much higher global warming potential than carbon dioxide over a 20-year timeframe, although it has a shorter lifespan in the atmosphere.

Odorless and Colorless: Pure methane gas is odorless and colorless. However, an odorant called mercaptan is often added to natural gas for safety reasons, to help detect leaks by giving it a distinctive smell.

Low Boiling Point: Methane has a boiling point of approximately -161.5 degrees Celsius (-258.7 degrees Fahrenheit) at atmospheric pressure.

Occurrence and Sources: Methane occurs naturally and is produced by both biological and non-biological processes:

Natural Sources: Methane is generated in various natural environments, including wetlands, rice paddies, landfills, and the digestive systems of ruminant animals (such as cows).

Fossil Fuels: Methane is the main component of natural gas, which is found underground and is extracted for use as a fuel source. It is also released during the extraction, production, and distribution of coal, oil, and natural gas.

Anthropogenic Sources: Human activities, such as agriculture, livestock farming, coal mining, wastewater treatment, and the burning of fossil fuels, contribute to the release of methane into the atmosphere.

Environmental Impact: Methane has significant implications for climate change and air quality:

Climate Change: Methane is a potent greenhouse gas. Its increased concentration in the atmosphere contributes to global warming and climate change, as it absorbs and traps heat radiating from the Earth's surface.

Air Quality: Methane also plays a role in air pollution. Incomplete combustion of methane can lead to the production of other pollutants, such as carbon monoxide and nitrogen oxides, which have adverse effects on human health and the environment.

Uses: Methane gas has several important applications:

Energy Source: Methane is a valuable fuel source used for heating, cooking, electricity generation, and as a feedstock for the production of chemicals and fertilizers.

Industrial Processes: Methane is used as a raw material in various industrial processes, including the production of hydrogen, methanol, and other chemicals.

Transportation: Methane can also be used as a fuel for vehicles, either directly as compressed natural gas (CNG) or as a liquefied form (LNG).

Biogas: Methane produced from the anaerobic digestion of organic waste, such as agricultural waste or sewage, can be captured and used as biogas for energy generation.

Efforts are underway to mitigate methane emissions and develop more sustainable practices, such as improving methane capture and utilization, reducing leaks in natural gas infrastructure, and transitioning to renewable energy sources.

Basic Info.

Molecular Weight	16.043	Density	0.717G/L
Melting Point	-182.5°C	Boiling Point	-161.5°C
Appearance	Colorless,Odorless	Un No.	1971
DOT Class	2.1	Valve	CGA350
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15Mpa/20Mpa
Transport Package	40L/47L/50L	Specification	99.9%,99.99%,99.999%
Trademark	CMC	Origin	China
HS Code	27112900	Production Capacity	20000m³/Year

Specification:

Specification	Company Standard
CH ₄	≥ 99.999%
N ₂	≤ 2.0 ppm
O ₂ +AR	≤ 1.0 ppm
H ₂	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO ₂	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH ₄	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

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.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



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