

China CMC

COA

sih4

Cylinder/Tank

China Best Price High Purity Cylinder Gas Manufacturers Sih4 Gas Silane

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 1kg
- Price: US \$45/kg
- Packaging Details:
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month



Product Specification

 Product Name: 	Silane	
• Valve:	Diss632	
 Boiling Point: 	-112 ºC	
 Melting Point: 	-185 ºC	
Cylinder Pressure:	12.5MPa/15MPa/20MPa	
Cylinder Standard:	GB/ISO/DOT	
Transport Package:	Y-Cylinder, T-Drum, T-Cylinder, T-Drum, Tt, Tanker	
 Specification: 	20L, 40L, 280L And Customizable	
• Trademark:	CMC	
• Origin:	Suzhou, China	
• HS Code:	2812190091	
 Supply Ability: 	50000kg/Month	
• CAS No.:	7803-62-5	
• Formula:	Sih4	



More Images



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Product Description

Silane refers to a group of chemical compounds that consist of silicon (Si) atoms bonded to hydrogen (H) atoms. The most common and simplest silane compound is monosilane (SiH4), which is a colorless and flammable gas. Silanes are part of the larger class of compounds known as hydrosilanes.

Here are some key points about silane:

Structure: Silanes have a tetrahedral structure, with a silicon atom at the center bonded to four hydrogen atoms. The general formula for silanes is SiHn, where "n" represents the number of hydrogen atoms.

Synthesis: Silanes can be produced through various methods, including the reaction of silicon metal with hydrogen gas or the hydrolysis of silicon halides. They can also be generated through the reduction of silicon dioxide (SiO2).

Properties: Silanes are highly reactive and are sensitive to moisture and air. They are pyrophoric, which means they can spontaneously ignite in the presence of oxygen. Silanes are also known for their strong reducing properties.

Applications: Silanes have several industrial applications, including:

Silicon wafer manufacturing: Silane gas is used in the deposition of silicon for the production of semiconductors and solar cells.

Surface treatment: Silanes are used as coupling agents or adhesion promoters to enhance the bonding between different materials. They can improve the adhesion of coatings, paints, and adhesives to various substrates.

Rubber and plastics: Silanes are used as coupling agents to improve the compatibility between inorganic fillers (such as silica) and organic polymers in rubber and plastic products.

Biotechnology: Silanes are used for coating glass surfaces in applications such as DNA microarray technology or as surface modifiers in biomedical devices.

It's important to note that silanes have a wide range of derivatives with varying properties and applications. The specific properties and applications of a silane compound depend on its chemical structure and functional groups attached to the silicon atom.

Basic Info.

Sih4	Boiling Point	-112 ºC		
1.34 Kg/M ³	Melting Point	-185 ºC		
Cylinder Pressure 12.5MPa/15MPa/20MPa Transport Package				
47L/440L/ISO Tank	Origin	China		
2931900090	Production Capacity	y20, 000tons/Year		
•	1.34 Kg/M ³ 12.5MPa/15MPa/20MPa 47L/440L/ISO Tank	1.34 Kg/M³ Melting Point 12.5MPa/15MPa/20MPa Transport Package 47L/440L/ISO Tank Origin		

Specification:

CAS No.: 7803-62-5 EINECS No.: 232-263-4 UN No.: UN2203 Purity: 99.9999% Dot Class: 2.1 Appearance: Colorless Grade Standard: Electronic Grade

Specification	99.9999%					
Carbon Monoxide	≤ 0.05 ppm					
Carbon Dioxide	≤ 0.05 ppm					
Total chloride	≤ 0.1 ppm					
Methane	≤ 0.05 ppm					
C2-C4	≤ 0.1 ppm					
Nitrogen	≤ 0.5 ppm					
Oxygen	≤ 0.05 ppm					
Moisture	≤ 0.1 ppm					
Silyl Ether	≤ 0.1 ppm					
Methyl Silane	≤ 0.1 ppm					
Disilane	≤ 0.3 ppm					
Hydrogen	≤ 20 ppm					
Aluminum	≤ 0.02 ppba					
Antimony	≤ 0.02 ppba					
Arsenic	≤ 0.02 ppba					
Gallium	≤ 0.02 ppba					
Boron	≤ 0.02 ppba					
Phosphorus	≤ 0.02 ppba					
ron + Chromium + Nickel + Copper + Zinc < 1 ppha						

Iron + Chromium + Nickel + Copper + Zinc ≤ 1 ppba

Detailed Photo

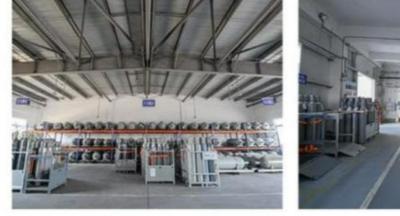


Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The 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	HCI+Ne
CF4 C4F8	SiH2						TMB+H2
SiF4 C3H8	CI2	and the					He +As
BBr3 C3H6	DCE	HI		TTT,	n ji	8	Ge+Se
POCI3 N2	SO2			nn n			D+B
BCI3 D2	CO2	TITT					CO+NO
SiHCI3 CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAI DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO







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