



## Electronic Grade High Purity 99.9999% 6n Sih4 Cylinder Gas Silane

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Sih4
- Minimum Order Quantity: 1kg
- Price: US \$45/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month



### Product Specification

- Product Name: Silane
- Valve: Diss632
- Boiling Point: -112 °C
- Melting Point: -185 °C
- Cylinder Pressure: 15MPa/20MPa
- Cylinder Standard: DOT/ISO/GB
- Transport Package: Y-Cylinder, T-Drum, Tt, Tanker
- Specification: 20L, 40L, 280L And Customizable
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 50000kg/Month
- CAS No.: 7803-62-5
- Formula: Sih4
- EINECS: 232-263-4



### More Images



## Product Description

### Electronic Grade 6n SiH4 Silane Gas Ultra High Purity 99.9999%

SiH<sub>4</sub> refers to silane, which is a chemical compound composed of one silicon atom bonded to four hydrogen atoms. Here are some key points about SiH<sub>4</sub>:

Chemical Formula: SiH<sub>4</sub>

Molecular Weight: 32.12 g/mol

Structure: Silane has a tetrahedral molecular geometry, with the silicon atom at the center and four hydrogen atoms arranged around it.

Physical Properties: Silane is a colorless, flammable gas with a pungent odor. It is less dense than air and can form explosive mixtures when combined with air.

Chemical Reactivity: Silane is highly reactive and can readily react with oxygen, water, and other substances. It is pyrophoric, meaning it can ignite spontaneously in the presence of air or moisture.

Applications: Silane has various applications, primarily in the semiconductor industry. It is used as a precursor in the chemical vapor deposition (CVD) process to deposit thin films of silicon onto semiconductor substrates. Silane is also used in the production of solar cells, optical fibers, and certain types of coatings.

Safety Considerations: Silane is highly flammable and can pose fire and explosion hazards. It is also toxic and can cause chemical burns. Proper safety precautions, including the use of specialized equipment and trained personnel, should be followed when handling and working with silane.

Storage and Handling: Silane is typically stored and transported in specialized containers under controlled conditions to prevent exposure to air and moisture. It is handled with extreme caution due to its reactivity and flammability.

Environmental Impact: Silane is not considered a significant environmental hazard. However, its use and disposal should be in accordance with local regulations and best practices to minimize any potential impact.

#### Basic Info.

Model NO.	SiH <sub>4</sub>	Boiling Point	-112 °C
Density	1.34 Kg/M <sup>3</sup>	Melting Point	-185 °C
Cylinder Pressure	12.5MPa/15MPa/20MPa	Transport Package	47L/440L/ISO Tank
Specification	47L/440L/ISO Tank	Origin	China
HS Code	2931900090	Production Capacity	20,000tons/Year

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

#### Detailed Photos



**Packaging & Shipping**

**Cylinder Specifications Contents**

Cylinder Capacity	Valve	Weight
47L	DISS632	10 kgs
440L	DISS632	120 kg

Company

Profile

**About us**



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,

SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

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



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