

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

Basic Information

. Place of Origin: China . Brand Name: CMC COA · Certification: Model Number: Sih4 • Minimum Order Quantity: 1kg • Price: US \$45/kg Cylinder/Tank · 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 °C
 Melting Point: -185 °C

Cylinder Pressure: 15MPa/20MPaCylinder 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%

SiH4 refers to silane, which is a chemical compound composed of one silicon atom bonded to four hydrogen atoms. Here are some key points about SiH4:

Chemical Formula: SiH4 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.

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



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,

SiCI4 NH3 CH3F H₂S WF6 F6+CI2 NH3 SiH4 Kr

C2 HCI+Ne 4MS C3F8 C3F8 **TEOS** CH4 PH₃ SF₆

TMB+H2 SiH2 CF4 C4F8

SiF4 **C3H8** He +As CI2

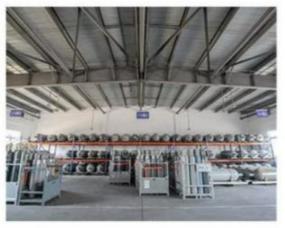
BBr3 **C3H6** DCE Ge+Se

POCI3 **SO2** N₂ CO+NO BCI3 D2 CO₂

SiHCI3 CH2F2 HF AsH3 **C2H4** C2H2 HBr COS Ar+O2

C2H6 Xe+NO DEZn GeH4 **B2H6** H2Se GeCl4 **TMAI DMZn**







D+B

Shanghai Kemike Chemical Co.,Ltd