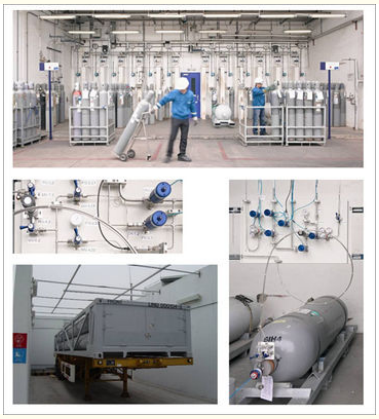
China Factory Best price Ultra High Purity 99.9999% 6n Cylinder Gas Sih4 Silane

Our Product Introduction

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 ºC
- Melting Point: -185 ºC
- 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

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Product Description

6n Ultra High Purity 99.9999% Sih4 Silane Gas

Silane gas is a chemical compound with the formula SiH_4. It is a colorless, flammable gas that consists of one silicon atom bonded to four hydrogen atoms. Silane is the simplest compound of silicon and belongs to the group of hydrosilicons.
Silane gas is highly reactive and can react with various substances, including oxygen in the air, to form silicon dioxide (silica) and water vapor. Its reactivity makes it useful in a variety of applications. Here are a few examples:
1. Semiconductor Industry: Silane is commonly used in the production of semiconductors and photovoltaic (solar) cells. It serves as a precursor for depositing thin films of amorphous silicon and silicon nitride.
2. Chemical Vapor Deposition (CVD): Silane is a key component in chemical vapor deposition processes, where it is used to deposit thin films of silicon for various purposes, such as coating materials or creating semiconductor devices.
3. Fiber Optics: Silane gas is utilized in the manufacturing of optical fibers. It is involved in the production of high-purity silica glass, which is used to create the core and cladding layers of optical fibers.
4. Silicones: Silane is a precursor for the synthesis of silicones, which are a diverse group of polymers with a wide range of applications. Silicones find use in products like sealants, adhesives, lubricants, and electrical insulation.
5. Hydrogen Storage: Silane has been explored as a potential medium for hydrogen storage due to its ability to release hydrogen gas under certain conditions. This property is of interest in the development of alternative energy technologies.
It is important to note that handling silane gas requires caution due to its flammability and reactivity. Proper safety measures and protocols should be followed when working with this compound.

Basic Info.

Model NO.	Sih4	Boiling Point	-112 ºC
Density	1.34 Kg/M³	Melting Point	-185 ºC
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


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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, SiCL4, NH3, CF4, NF3, SF6, HCL, N2O, doping mixed gas (TMB, PH3, B2H6) and other electronic gases.

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