China

CMC

COA

sih4

Cylinder/Tank

Hot Sale Cylinder Gas 99.9999% 6n High Purity Sih4 Gas Silane

Basic Information

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



Product Specification

- Product Name:
- Melting Point:
- Appearance:
- Boiling Point:
- Cylinder Pressure:
- Valve:
- Cylinder Standard:
- Transport Package:
- Specification:
- Trademark:
- Origin:
- HS Code:
- Supply Ability:
- CAS No.:
- Formula:



Colorless, Garlic Smell

Diss632

CMC

China

2812190091

7803-62-5

Sih4

50000kg/Month

Y-Cylinder, T-Drum, Tt, Tanker

20L, 40L, 280L And Customizable

Silane

- -112 ºC
- 12.5MPa/15MPa/20MPa
 - - GB/ISO/DOT



More Images



Our Product Introduction

Product Description

Silane refers to a group of chemical compounds containing silicon and hydrogen atoms. The most common and simplest form of silane is monosilane (SiH4). Here are some key points about silane:

Structure: Silane compounds consist of a silicon atom bonded to hydrogen atoms. Monosilane (SiH4) has a tetrahedral structure, with the silicon atom at the center and four hydrogen atoms surrounding it.

Properties: Silane is a colorless, flammable gas with a pungent odor. It is less dense than air and can form explosive mixtures with air when exposed to certain conditions. Silane is highly reactive and can react with oxygen, water, and other compounds.

Production: Silane can be produced through various methods, including the reaction of silicon with hydrogen or the decomposition of siliconcontaining compounds. Industrial-scale production of silane often involves the reaction of metallurgical-grade silicon with hydrogen chloride. Applications: Silane has several applications in various industries:

Semiconductor Industry: Silane is used as a precursor in the production of silicon-based materials, such as silicon wafers and thin-film silicon solar cells. It is an important source of silicon for the deposition of amorphous and polycrystalline silicon films.

Chemical Industry: Silane derivatives are used as coupling agents and adhesion promoters in the formulation of coatings, adhesives, and sealants. They can improve the bonding between different materials, such as glass, metal, and plastics.

Electronics Industry: Silane is utilized in the manufacturing of electronic components, such as integrated circuits and flat-panel displays. It is involved in the deposition of silicon-based thin films for insulation and passivation purposes.

Solar Energy: Silane is employed in the production of silicon-based photovoltaic cells, which are used to convert sunlight into electricity.

It's worth noting that silane is a highly reactive and potentially hazardous compound, requiring careful handling and storage due to its flammability and reactivity.

Basic Info.

DOT Class	2.1	Un No	2203
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	15MPa/20MPa
Valve	Diss632	Melting Point	-185 ºC
Appearance	Colorless, Garlic Smell	Boiling Point	-112 ºC
Density	1.34 Kg/m ³	Molecular Weight	32.117
Transport Package	47L/440L/ISO Tank	Specification	99.9999%
Trademark	СМС	Origin	China
HS Code	2931900090	Production Capacity	20, 000tons/Year



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		
Gallum	≤ 0 02 ppba		
Boron	≤ 0 02 ppba		
Phosphorus	≤ 0 02 ppba		
Iron + Chromium + Nickel + Copper + Zinc	s 1 ppba		

Packaging &

Shipping

Cylinder Specifications	Contents	
Cylinder Capacity	Valve	Weight
47L	DISS632	10 kgs
440L	DISS632	120 kgs

Company

Profile





III Shanghai Kemike Chemical Co.,Ltd

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