China Factory best price 99.999% 5n Cylinder Gas Si2h6 Disilicoethane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Si2h6
- Minimum Order Quantity: 1L
- Price: Us $50000/L
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000L/month

Product Specification

- Product Name: Disilicoethane
- Transport: By Sea
- Grade: Electronic Grade
- Purity: 99.999%
- Transport Package: Bottle
- Specification: 47L/10KG
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2812190091
- Supply Ability: 600t/Year
- CAS No.: 7783-82-6
- Formula: Si2h6
- EINECS: 7783-82-6
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade

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Product Description

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Si2H6 gas is known as disilane, which is an inorganic compound composed of silicon (Si) and hydrogen (H). Disilane has the chemical formula Si2H6 and is a member of the silane family of compounds. Here are some key points about disilane gas:

Structure and Properties: Disilane consists of two silicon atoms bonded together with six hydrogen atoms. It is a colorless gas with a pungent odor. Disilane is highly reactive and can spontaneously ignite in the presence of air or oxygen.

Synthesis and Production: Disilane can be synthesized by various methods, including the reaction of silicon powder with hydrogen gas at high temperatures or through the hydrolysis of silicon-derived precursors. It is typically produced and used in a controlled environment due to its reactivity and flammability.

Applications:

Semiconductor Industry: Disilane is used in the production of silicon-based thin films, specifically for the deposition of high-quality silicon films in the semiconductor industry. It serves as a precursor for the formation of silicon layers in processes such as chemical vapor deposition (CVD) and atomic layer deposition (ALD).

Solar Cells: Disilane is employed as a precursor gas in the fabrication of silicon thin-film solar cells. The deposition of amorphous silicon films using disilane enables the production of low-cost and flexible solar cell devices.

Chemical Synthesis: Disilane can be used as a reducing agent or as a source of silicon in various chemical reactions. It finds applications in the synthesis of organosilicon compounds, silicon-based polymers, and other silicon-containing materials.

Safety Considerations: Disilane is highly flammable and can form explosive mixtures with air. It is also toxic and can cause severe burns upon contact with the skin or eyes. The gas should be handled with extreme caution, and appropriate safety measures, such as proper ventilation and personal protective equipment, should be followed.

Disilane gas, while highly reactive and hazardous, has important applications in the semiconductor industry and the production of silicon-based materials. It plays a role in the development of advanced electronic devices and renewable energy technologies.

Basic Info.

Model No:	Si2H6	Transport Package	Y-Cylinder
Specification:	47L/10kg	Trademark	CMC
Origin:	Suzhou, China	HS Code	2812190091
Production Capacity:	600t/Year		

Specifications:

Contaminants	Specifications
Carbon Dioxide	≤1.0 ppm
Chlorosilanes	≤0.2 ppm
Higher Silanes	≤5.0 ppm
Nitrogen	≤2.0 ppm
Oxygen+Argon	≤1.0 ppm
Silane	≤500.0 ppm
Siloxanes	≤5.0 ppm
THC (as Methane)	≤1.0 ppm
Water	≤1.0 ppm

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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

Product Pictures

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