China Electronic Grade Cylinder Gas 99.999% 5n Sih2cl2 Dichlorosilane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Sih2cl2
- Minimum Order Quantity: 1kg
- Price: US $2000/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000kg/month

Product Specification

- Model NO.: Sih2cl2
- Purity: 99.999%/99.9999%
- Transport: By Sea
- Grade: Electron Grade
- Model No.: Sih2cl2 Gas
- Transport Package: 47L, 470L
- Specification: Cylinder, Canister
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 600t/Year
- CAS No.: 7783-82-6
- Formula: Sih2cl2
- EINECS: 10294-34-5
- Constituent: Industrial Pure Air

More Images

Our Product Introduction

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Product Description

Product Description

SIH2Cl2 gas refers to the chemical compound known as dichlorosilylene (SiH2Cl2). It is a colorless gas with a pungent odor and is primarily used in the field of organosilicon chemistry.

Here are some key points about dichlorosilylene gas:

Chemical Structure: Dichlorosilylene (SiH2Cl2) consists of a silicon atom bonded to two hydrogen atoms (SiH2) and two chlorine atoms (Cl). It is a highly reactive species due to the presence of the silicon-hydrogen double bond.

Synthesis: Dichlorosilylene is a transient species and cannot be isolated as a pure compound. It is typically generated in situ through the reaction of appropriate precursors, such as chlorosilanes or dichlorosilanes, under specific conditions. It is often studied using various spectroscopic and computational techniques.

Reactivity: Dichlorosilylene is highly reactive and readily undergoes reactions with a variety of organic and inorganic compounds. Its reactivity is attributed to the presence of the silicon-hydrogen double bond, which can undergo addition reactions with unsaturated organic compounds or react with nucleophilic or electrophilic species.

Applications: Dichlorosilylene is primarily employed in organosilicon chemistry research. It serves as an intermediate in the synthesis of various organosilicon compounds and materials. It is particularly useful in the development of silicon-based polymers, coatings, and functional materials.

Safety Considerations: Dichlorosilylene is a reactive gas and should be handled with caution. It is highly flammable and can form explosive mixtures with air. Proper safety measures, including the use of appropriate personal protective equipment and adherence to good laboratory practices, should be followed when working with dichlorosilylene.

It's worth noting that dichlorosilylene is a specialized compound primarily used in research settings. The average person is unlikely to encounter or work with this gas in their daily lives.

Basic Info.

Model No:	SiH2Cl2	Transport Package	Cylinder, Canister
Specification:	47L/37kg, 470L/370kg	Trademark	CMC
Origin:	Suzhou	HS Code	2812190091
Production Capacity:	600t/Year		

Details

Product Name	Dichlorosilane
Type	SiH2Cl2
Purity	n3.0
Cylinder Spec	40L
Fill contens(20?C)	37kg
Valve type	DISS636
Applications	Semiconductor: Used in the production of epitaxial tablets, optical fiber important raw materials, directly affect the performance of integrated circuits, integration, yield.

Product Specification

Items	Compositions	Symbols	Value	Units
Purity(GC)	SiH2Cl2	≥	99.9	%
Gas impurities	O2+Ar	≤	1	ppm
	N2	≤	1	ppm
	CO	≤	1	ppm
	CO2	≤	1	ppm
Donor impurities	P	≤	0.20	ng/g
	As	≤	0.05	ng/g
Acceptor impurities	B	≤	0.20	ng/g
	Al	≤	0.10	ng/g
Metal impurities	Cr	≤	0.50	ng/g
	Fe	≤	1.00	ng/g
	Ni	≤	0.50	ng/g
	Cu	≤	0.50	ng/g
	Zn	≤	0.50	ng/g
	Co	≤	0.20	ng/g
	Na	≤	0.50	ng/g

Company information

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

Detailed Photos

Shanghai Kemike Chemical Co.,Ltd

+86 18762990415 williamchen@cmc-chemical.com gascylindertank.com