



China Electronic Grade Cylinder Gas 99.999% 5n Sih2cl2 Dichlorosilane

Our Product Introduction

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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



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:	SiH ₂ Cl ₂	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	SiH ₂ Cl ₂
Purity	n3.0
Cylinder Spec	40L
Fill contents(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)	SiH ₂ Cl ₂	≥	99.9	%
Gas impurities	O ₂ +Ar	≤	1	ppm
	N ₂	≤	1	ppm
	CO	≤	1	ppm
	CO ₂	≤	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.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂						
HBr	COS							

Detailed

Photos



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