China Factory Wholesale Price Good Quality Hcds Si2cl6 Hexachlorodisilane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Si2cl6
- Minimum Order Quantity: 1kg
- Price: US $40/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 50000kg/month

Product Specification

- Product Name: Hexachlorodisilane
- Model No.: Si2cl6
- Transport: By Sea
- Purity: 99.9%
- Specification: 40L, 200L
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 100t/Year
- CAS No.: 7783-82-6
- Formula: Si2cl6
- EINECS: 7783-82-6
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade
- Chemical Property: Poisonous Gases

More Images

Product Description

Product Description

Hexachlorodisilane (Si2Cl6) gas is a chemical compound composed of two silicon (Si) atoms and six chlorine (Cl) atoms. 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 hexachlorodisilane gas:

Chemical Structure: Hexachlorodisilane consists of two silicon atoms bonded to each other by a covalent bond, with each silicon atom being bonded to three chlorine atoms. The molecular formula is Si2Cl6. It is a highly reactive compound due to the presence of the silicon-chlorine bonds.

Synthesis: Hexachlorodisilane is typically synthesized by the reaction of silicon with chlorine gas. The reaction is highly exothermic and requires careful control of reaction conditions. It is often produced and used in situ due to its reactivity and tendency to decompose upon storage.

Reactivity: Hexachlorodisilane is a versatile precursor in organosilicon chemistry. It can undergo various reactions to form a wide range of organosilicon compounds. It is commonly used as a source of silicon in the synthesis of silicon-based polymers, coatings, and other materials. Hexachlorodisilane can react with organic compounds containing functional groups like alcohols, amines, or thiols to introduce silicon atoms into the organic backbone.

Safety Considerations: Hexachlorodisilane is a reactive and corrosive compound that should be handled with caution. It can decompose spontaneously, releasing corrosive hydrogen chloride gas. It reacts vigorously with water, so proper safety measures, including the use of appropriate personal protective equipment and adherence to good laboratory practices, should be followed when working with hexachlorodisilane.

Industrial Applications: Hexachlorodisilane has industrial applications in the production of organosilicon compounds and materials. It is used as a precursor in the synthesis of silicone polymers, resins, and elastomers. These materials find applications in various industries, including construction, electronics, automotive, and healthcare.

It's important to note that hexachlorodisilane is a specialized compound primarily used in research and industrial settings related to organosilicon chemistry. The average person is unlikely to encounter or work with this gas in their daily lives.

Basic Info.

Model NO.	Si2Cl6	Grade Standard	Electron Grade
Transport Package	Cylinder, Canister	Specification	40L, 200L
Trademark	CMC	Origin	Suzhou, China
HS Code	2812190091	Production Capacity	100t/Year

Specifications:

IUPAC name	Hexachlorodisilane
Other names	Disilicon hexachloride
Identifiers	
CAS No.:	13465-77-5
EC No.:	236-704-1
Properties	
Molecular Formula:	Si2Cl6
Molar mass:	268.88 g/mol
Appearance:	Colorless liquid
Melting point:	≤20 °C
Boiling point:	144 °C (291 °F; 417 K)
Flash point:	>93°C
Vopor density(Air=1):	>1
Relative density(Water=1):	1.562

Sample Test:

Test Items	Units	Specifications	Test Result
Assay by GC	wt%	≥99.9	99.905
Li	ng/g	≤0.5	<0.05
Na	ng/g	≤0.5	<0.05
Mg	ng/g	≤0.5	<0.05
Al	ng/g	≤1.0	0.35
K	ng/g	≤0.5	0.08
Ca	ng/g	≤0.5	0.16
Ti	ng/g	≤1.0	0.18
Cr	ng/g	≤0.5	<0.05
Mn	ng/g	≤0.5	<0.05
Fe	ng/g	≤1.0	0.48
Co	ng/g	≤0.5	<0.05

Ni	ng/g ≤0.5	0.06
Cu	ng/g ≤0.5	<0.05
Zn	ng/g ≤0.5	<0.05

Detailed Photos


六氯乙硅烷
编号 V200S013
怕 湿
向 上

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

Shanghai Kemike Chemical Co.,Ltd

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