



1 Description

Trichlorosilane (SiHCl_3) is a chlorosilane which is formed by the reaction of metallurgical grade silicon (Si) with Hydrogen (H_2) and Silicon Tetrachloride (SiCl_4).

2 Applications

High purity Trichlorosilane is the most important raw material for the production of solar silicon. It is widely used in the growth of epitaxial and polycrystalline silicon in a Chemical Vapour Deposition (CVD) reactor.

3 Product Specifications

Analysis	Specification	Analytical Method
Purity	> 99,7 %	Gas Chromatography
Dichlorosilane (SiH_2Cl_2)	< 0,15 %	Gas Chromatography
Silicon Tetrachloride (SiCl_4)	< 0,15 %	Gas Chromatography
Boron (B)	< 10 ppbw	ICP - MS
Phosphorous (P)	< 50 ppbw	ICP - MS
Iron (Fe)	< 10 ppbw	ICP - MS
Carbon (C)	< 500 ppbw	I.R

4 Shipping Information

Discharge location	Top
DOT Trichlorosilane	TCS (SiHCl_3)
Hazard Class	4.3
ID No	UN 1295
DOT Label	Dangerous when wet, flammable liquid, corrosive
CAS No	10025 - 78 - 2
Shipped as	Liquefied gas



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We produce, sell and distribute worldwide
Trichlorosilane (SiHCl_3) and Polycrystalline Silicon



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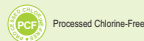
Forest Renewable



ISO 9001



Recycled



Processed Chlorine-Free



ISO 14001 (International norm on Environmental Management)

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