

TECHNICAL DATA SHEET

Product Name:	TRICHLOROSILANE (TCS)	
CAS Number:	10025-78-2	
Molecular formula:	SiHCl ₃	
Application Areas:	Trichlorosilane is used for polycrystalline silicon, monocrystalline silicon raw materials, epitaxial growth, silicon liquid, silicon oil, chemical vapor deposition, silicon compound manufacturing, electronic gas manufacturing.	
Typical Datas:	Appearance:	Colorless transparent liquid
	Content of SiHCl ₃ (wt%) :	≥99.99
	Content of SiH ₂ Cl ₂ (wt%) :	≤0.01
	Content of SiCl ₄ (wt%) :	≤0.01
	Content of HCL (wt%) :	≤0.01
	High-boiling (wt%)	< 0.001
	(CH ₃) ₂ SiHCL ppmwt :	≤ 300
	CH ₃ SiHCL ₂ ppmwt :	≤ 200
	CH ₃ SiCL ₃ ppmwt :	≤ 200
	i-C ₅ H ₁₂ ppmwt :	≤ 200
	B ppba :	≤ 100
	Ni ppbwt :	≤ 10
	Cr ppbwt :	≤ 10
	Al ppbwt :	≤ 10
	Fe ppbwt :	≤ 10
	P ppbwt :	≤ 10
Storage &Conditions:	Stored in a cool, ventilated warehouses. Away from fire. Prevent from direct sunlight; It should be kept away from oxidant, acid and alkali. Handling according to hazardous substances and prevention from exposing to sunlight and rain. Be careful when loading and unloading to avoid damages of the package.	
Packaging:	ISO TANK	
Health & Safety:	It is inflammable, explosive and toxic.	
Shelf Life:	12 months	