

TECHNICAL DATA SHEET

Product Name:	HIGH-PURITY SILICON TETRACHLORIDE (STC)	
CAS Number:	10026-04-7	
Molecular formula:	Cl ₄ Si	
Application Areas:	<p>High purity silicon tetrachloride is a material used for manufacturing polycrystalline silicon, high purity silicon dioxide, inorganic silicon compounds and quartz fibers. It is also used in the manufacture of smokers for the military industry. In the metallurgy industry, it is used for the manufacture of corrosion-resistant ferro silicon, and in the foundry industry, as a release agent. It is an indispensable chemical raw material for mass industrial production.</p>	
Typical Datas:	Appearance:	Colorless transparent liquid
	Content of SiCl ₄ :	> 99.9999%
	Content of SiH ₂ Cl ₂ +SiHCl ₃ :	< 0.01%
	Other high boiling compounds :	< 0.01%
	IMPURITY B :	< 0.1ug/kg
	IMPURITY P :	< 0.1ug/kg
	IMPURITY Al :	< 0.1ug/kg
	IMPURITY Mg :	< 0.1ug/kg
	IMPURITY Cu :	< 0.1ug/kg
	IMPURITY As :	< 0.1ug/kg
	IMPURITY Ca :	< 0.1ug/kg
	IMPURITY Fe :	< 0.1ug/kg
Storage & Conditions:	<p>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.</p>	
Packaging:	Steel drum, ISO TANK.	
Health & Safety:	It is inflammable, explosive and toxic.	
Shelf Life:	12 months	