

TCS

TRICHLOROSILANE

Physical Properties

Vapor pressure equat.:	$\log(p(\text{bar}) = 4.21609 - 1170/(T(K) - 27)$
Density:	1.342 g/cm ³
Molweight:	135.45 g/mol
Melting point:	-126 °C / -194.8 °F
Boiling point:	32 - 64 °C / 89.6 - 96.2 °F
Sublimation point:	

Chemical Properties

Stability:	Stable under recommended storage conditions
State of matter:	Liquid

Safety & Transport

Toxicity:	Flammable, Pyrophoric, Harmful if swallowed/inhaled, Irritant
Thermal decomposition:	
ADR/RID-class:	4.3 (3) 8
UN-no:	1295, PG I
IMDG-class:	4.3 (3) 8
UN-no:	1295, PG I
ICAO/IATA-class:	4.3 (3) 8
UN-no:	1295 - AIRFREIGHT FORBIDDEN

For further details please refer to Safety Data Sheet (SDS)

Packaging & Standard Filling Volumes

TCS.100.DOCK/10.150	100g / 150ccm cyl.
TCS.300.DOCK/10.400	300g / 400ccm cyl.
TCS.400.DOCK/10.600	400g / 600ccm cyl.
TCS.1000.DOCK/10.1000	1000g / 1000ccm cyl.
TCS.3500.DOCK/10.3000	3500g / 3000ccm cyl.

Product Description

Name:	TRICHLOROSILANE
CAS-Number:	10025-78-2
Element:	Si
Molecular Formula:	HCls ₃ Si

Quality Standards

EG Electronic Grade

Application

CVD Precursors for SiC

Vapor Pressure

Vapor Pressure
[mbar]

