

Silane, trichloro-2-propenyl-

Other names:	Silane, allyltrichloro- Allyltrichlorosilane Propen-3-yltrichlorosilane Silane, trichloroallyl- Allyl trichlorosilane, stabilized UN 1724
Inchi:	InChI=1S/C3H5Cl3Si/c1-2-3-7(4,5)6/h2H,1,3H2
InchiKey:	HKFSBKQQYCMCKO-UHFFFAOYSA-N
Formula:	C3H5Cl3Si
SMILES:	C=CC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	175.52
CAS:	107-37-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.61		Crippen Method
logp	2.828		Crippen Method
tb	390.60	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	40.10	kJ/mol	353.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107379&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

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