

Silane, trichlorooctadecyl-

Other names:	Octadecyltrichlorosilane Silane, octadecyltrichloro- Trichlorooctadecylsilane UN 1800 CO9750
Inchi:	InChI=1S/C18H37Cl3Si/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-22(19,20)21/h2-
InchiKey:	PYJJCSYBSYXGQQ-UHFFFAOYSA-N
Formula:	C18H37Cl3Si
SMILES:	CCCCCCCCCCCCCCCC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	387.93
CAS:	112-04-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.03		Crippen Method
logp	8.903		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	496.00	K	1.30	NIST Webbook
tbrp	496.00	K	1.30	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C112049&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tbrp:	Boiling point at reduced pressure

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