

Silane, trioctyl-

Other names:	Trioctylsilane tri-n-Octylsilane
Inchi:	InChI=1S/C24H52Si/c1-4-7-10-13-16-19-22-25(23-20-17-14-11-8-5-2)24-21-18-15-12-9-
InchiKey:	JBAALNCKQCMFDH-UHFFFAOYSA-N
Formula:	C24H52Si
SMILES:	CCCCCCCC[SiH](CCCCCCCC)CCCCCCCC
Mol. weight [g/mol]:	368.76
CAS:	18765-09-8

Physical Properties

Property code	Value	Unit	Source
hvap	59.80 ± 0.80	kJ/mol	NIST Webbook
log10ws	-7.12		Crippen Method
logp	9.295		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	437.00 ± 1.00	K	0.02	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18765098&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
t_{bp}:	Boiling point at reduced pressure

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