

Silane, triethylfluoro-

Other names:	Fluorotriethylsilane Triethylfluorosilane Triethylsilyl fluoride
Inchi:	InChI=1S/C6H15FSi/c1-4-8(7,5-2)6-3/h4-6H2,1-3H3
InchiKey:	QVMRVWAOMIXFFW-UHFFFAOYSA-N
Formula:	C6H15FSi
SMILES:	CC[Si](F)(CC)CC
Mol. weight [g/mol]:	134.27
CAS:	358-43-0

Physical Properties

Property code	Value	Unit	Source
ie	10.10	eV	NIST Webbook
log10ws	-0.24		Crippen Method
logp	2.961		Crippen Method

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.40604e+01
Coeff. B	-3.11333e+03
Coeff. C	-5.34200e+01
Temperature range (K), min.	279.47
Temperature range (K), max.	409.27

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C358430&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pvap:	Vapor pressure

Latest version available from:

<https://www.chemeo.com/cid/48-129-6/Silane-triethylfluoro.pdf>

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