Ethylphenyldichlorosilane

Other names: dichloroethylphenylsilane
Inchi: InChI=1S/C8H10Cl2Si/c1-2-11(9,10)8-6-4-3-5-7-8/h3-7H,2H2,1H3
InchiKey: QFHGBZXWBRWAQV-UHFFFAOYSA-N
Formula: C8H10Cl2Si
SMILES: CC[Si](Cl)(Cl)c1ccccc1
Mol. weight [g/mol]: 205.16
CAS: 1125-27-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.19		Crippen Method
logp	2.833		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	51.30	kJ/mol	409.50	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.48366e+01
Coeff. B	-4.67934e+03
Coeff. C	-4.27100e+01
Temperature range (K), min.	364.34
Temperature range (K), max.	533.97

Sources

The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
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=C1125275&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pvap:	Vapor pressure