Acetamide, N-tetrahydrofurfuryl-2,2,2-trichloro-

Inchi: InChI=1S/C7H10Cl3NO2/c8-7(9,10)6(12)11-4-5-2-1-3-13-5/h5H,1-4H2,(H,11,12)
InchiKey: BYQNTQKJMWQRBO-UHFFFAOYSA-N
Formula: C7H10Cl3NO2
SMILES: O=C(NCC1CCCO1)C(Cl)(Cl)Cl
Mol. weight [g/mol]: 246.52

Physical Properties

Property code	Value	Unit	Source
gf	-113.99	kJ/mol	Joback Method
hf	-374.41	kJ/mol	Joback Method
hfus	27.68	kJ/mol	Joback Method
hvap	60.98	kJ/mol	Joback Method
log10ws	-2.37		Crippen Method
logp	1.652		Crippen Method
mcvol	152.770	ml/mol	McGowan Method
pc	3322.01	kPa	Joback Method
rinpol	1564.00		NIST Webbook
rinpol	1564.00		NIST Webbook
tb	614.89	K	Joback Method
tc	850.20	K	Joback Method
tf	400.89	K	Joback Method
vc	0.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	353.58	J/mol×K	614.89	Joback Method
cpg	365.62	J/mol×K	654.11	Joback Method
cpg	376.62	J/mol×K	693.33	Joback Method
cpg	386.66	J/mol×K	732.54	Joback Method
cpg	395.83	J/mol×K	771.76	Joback Method
cpg	404.19	J/mol×K	810.98	Joback Method
cpg	411.81	J/mol×K	850.20	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U307214&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume