CHLOROMETHYL CHLORO-ACETATE

Inchi: InChI=1S/C3H4Cl2O2/c4-1-3(6)7-2-5/h1-2H2
InchiKey: RGXOOYDUNWUMTN-UHFFFAOYSA-N
Formula: C3H4Cl2O2
SMILES: O=C(CCl)OCCl
Mol. weight [g/mol]: 142.97

Physical Properties

Property code	Value	Unit	Source
hf	-463.75	kJ/mol	Cheméo Relay (1.0)
hfus	14.71	kJ/mol	Joback Method
hvap	44.02	kJ/mol	Cheméo Relay (1.0)
ie	10.63	eV	Cheméo Relay (1.0)
logp	0.965		Crippen Method
mcvol	85.050	ml/mol	McGowan Method
tb	444.92	K	Cheméo Relay (1.0)
tf	263.45	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	136.89	J/mol×K	419.19	Joback Method
cpg	141.97	J/mol×K	451.96	Joback Method
cpg	146.88	J/mol×K	484.73	Joback Method
cpg	151.62	J/mol×K	517.50	Joback Method
cpg	156.17	J/mol×K	550.27	Joback Method
cpg	160.54	J/mol×K	583.04	Joback Method
cpg	164.73	J/mol×K	615.80	Joback Method
dvisc	0.0027403	Pa×s	255.57	Joback Method
dvisc	0.0016756	Pa×s	282.84	Joback Method
dvisc	0.0011172	Pa×s	310.11	Joback Method
dvisc	0.0007953	Pa×s	337.38	Joback Method
dvisc	0.0005957	Pa×s	364.65	Joback Method
dvisc	0.0004645	Pa×s	391.92	Joback Method
dvisc	0.0003741	Pa×s	419.19	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6135235&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point