Acetamide, 2-chloro-N,N-di-2-propenyl-

Other names:	Acetamide, N,N-diallyl-2-chloro-
	«alpha»-Chloro-N,N-diallylacetamide
	Allidochlor
	CDAA
	CP 6,343
	N-Diallyl-2-Chloroacetamide
	N,N-Diallyl-«alpha»-chloroacetamide
	N,N-Diallyl-2-chloroacetamide
	N,N-Diallylchloroacetamide
	Radox
	Randox
	2-Chloro-N,N-diallylacetamide
	Acetamide, 2-chloro-N,N-diallyl-
	Alidochlor
	Alidochlore
	Cdaat
	2-Chloro-N,N-di-2-propenylacetamide
	Diallylamid kyseliny chloroctove
	Diallylchloroacetamide
	NCI-C04035
	Rantox T
	Acetamide, 2-chloro-N,N-di-2-propen-1-yl-
Inchi:	InChI=1S/C8H12ClNO/c1-3-5-10(6-4-2)8(11)7-9/h3-4H,1-2,5-7H2
InchiKey:	MDBGGTQNNUOQRC-UHFFFAOYSA-N
Formula:	C8H12ClNO
SMILES:	C=CCN(CC=C)C(=O)CCl
Mol. weight [g/mol]:	173.64
CAS:	93-71-0

Physical Properties

Property code	Value	Unit	Source
gf	162.09	kJ/mol	Joback Method
hf	-18.38	kJ/mol	Joback Method
hfus	22.73	kJ/mol	Joback Method
hvap	45.24	kJ/mol	Joback Method
log10ws	-1.38		Crippen Method

logp	1.426		Crippen Method
mcvol	138.770	ml/mol	McGowan Method
pc	2835.36	kPa	Joback Method
tb	479.54	K	Joback Method
tc	666.53	K	Joback Method
tf	288.72	K	Joback Method
vc	0.518	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	281.33	J/mol×K	479.54	Joback Method
cpg	293.03	J/mol×K	510.70	Joback Method
cpg	304.09	J/mol×K	541.87	Joback Method
cpg	314.53	J/mol×K	573.03	Joback Method
cpg	324.38	J/mol×K	604.20	Joback Method
cpg	333.67	J/mol×K	635.36	Joback Method
cpg	342.42	J/mol×K	666.53	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C93710&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume