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

Physical Properties

Property code	Value	Unit	Source
hfus	22.73	kJ/mol	Joback Method
log10ws	-1.07		Cheméo Relay (1.0)
logp	1.426		Crippen Method
mcvol	138.770	ml/mol	McGowan Method
tf	264.43	K	Cheméo Relay (1.0)

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

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=C93710&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

cpg: Ideal gas heat capacity

hfus: Enthalpy of fusion at standard conditions

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

tf: Normal melting (fusion) point