NAPHTHALENE, 1,2,3,6,7,8-HEXACHLORO-

Inchi: InChI=1S/C10H2Cl6/c11-4-1-3-2-5(12)8(14)10(16)6(3)9(15)7(4)13/h1-2H
InchiKey: WJYZNPLWZGYFIE-UHFFFAOYSA-N
Formula: C10H2Cl6
SMILES: Clc1cc2cc(Cl)c(Cl)c(Cl)c2c(Cl)c1Cl
Mol. weight [g/mol]: 334.84

Physical Properties

Property code	Value	Unit	Source
hf	35.08	kJ/mol	Cheméo Relay (1.0)
hfus	35.56	kJ/mol	Joback Method
hvap	93.89	kJ/mol	Cheméo Relay (1.0)
ie	8.40	eV	Cheméo Relay (1.0)
log10ws	-8.23		Cheméo Relay (1.0)
logp	6.760		Crippen Method
mcvol	181.980	ml/mol	McGowan Method
rinpol	2505.00		NIST Webbook
rinpol	2505.00		NIST Webbook
rinpol	2505.00		NIST Webbook
tb	637.40	K	Cheméo Relay (1.0)
tf	466.14	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	325.21	J/mol×K	728.32	Joback Method
cpg	331.53	J/mol×K	772.43	Joback Method
cpg	337.34	J/mol×K	816.54	Joback Method
cpg	342.69	J/mol×K	860.66	Joback Method
cpg	347.65	J/mol×K	904.77	Joback Method
cpg	352.28	J/mol×K	948.88	Joback Method
cpg	356.64	J/mol×K	992.99	Joback Method
dvisc	0.0008492	Pa×s	516.22	Joback Method
dvisc	0.0006870	Pa×s	551.57	Joback Method
dvisc	0.0005701	Pa×s	586.92	Joback Method

dvisc	0.0004832	Pa×s	622.27	Joback Method
dvisc	0.0004169	Pa×s	657.62	Joback Method
dvisc	0.0003651	Pa×s	692.97	Joback Method
dvisc	0.0003240	Pa×s	728.32	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
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=C17062872&Units=SI

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
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point