

Hexane, 1,1-dichloro

Inchi:

InChI=1S/C6H12Cl2/c1-2-3-4-5-6(7)8/h6H,2-5H2,1H3

InchiKey:

RQXXCWHCUOJQGR-UHFFFAOYSA-N

Formula:

C6H12Cl2

SMILES:

CCCCC(Cl)Cl

Mol. weight [g/mol]:

155.06

Physical Properties

Property code	Value	Unit	Source
gf	-26.66	kJ/mol	Joback Method
hf	-203.93	kJ/mol	Joback Method
hfus	16.17	kJ/mol	Joback Method
hvap	37.33	kJ/mol	Joback Method
log10ws	-3.25		Crippen Method
logp	3.370		Crippen Method
mcvol	119.880	ml/mol	McGowan Method
pc	2890.51	kPa	Joback Method
rinpol	976.00		NIST Webbook
rinpol	976.00		NIST Webbook
tb	411.10	K	Joback Method
tc	595.37	K	Joback Method
tf	202.22	K	Joback Method
vc	0.464	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	212.27	J/molxK	411.10	Joback Method
cpg	222.72	J/molxK	441.81	Joback Method
cpg	232.70	J/molxK	472.52	Joback Method
cpg	242.24	J/molxK	503.23	Joback Method
cpg	251.35	J/molxK	533.95	Joback Method
cpg	260.04	J/molxK	564.66	Joback Method
cpg	268.32	J/molxK	595.37	Joback Method
dvisc	0.0074186	Paxs	202.22	Joback Method

dvisc	0.0029798	Paxs	237.03	Joback Method
dvisc	0.0015119	Paxs	271.85	Joback Method
dvisc	0.0008949	Paxs	306.66	Joback Method
dvisc	0.0005894	Paxs	341.47	Joback Method
dvisc	0.0004194	Paxs	376.29	Joback Method
dvisc	0.0003162	Paxs	411.10	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R629162&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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

Latest version available from:

<https://www.chemeo.com/cid/76-640-7/Hexane-1-1-dichloro.pdf>

Generated by Cheméo on 2024-04-29 08:12:03.965226119 +0000 UTC m=+16667572.885803434.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.