

# 2,6-Dichlorobenzyl alcohol, isopropyl ether

<b>Inchi:</b>	InChI=1S/C10H12Cl2O/c1-7(2)13-6-8-9(11)4-3-5-10(8)12/h3-5,7H,6H2,1-2H3
<b>InchiKey:</b>	OYHPHDQKBPDHES-UHFFFAOYSA-N
<b>Formula:</b>	C10H12Cl2O
<b>SMILES:</b>	CC(C)OCc1c(Cl)cccc1Cl
<b>Mol. weight [g/mol]:</b>	219.11

## Physical Properties

Property code	Value	Unit	Source
gf	-4.83	kJ/mol	Joback Method
hf	-205.12	kJ/mol	Joback Method
hfus	20.98	kJ/mol	Joback Method
hvap	52.25	kJ/mol	Joback Method
log10ws	-4.18		Crippen Method
logp	3.918		Crippen Method
mcvol	158.350	ml/mol	McGowan Method
pc	2603.08	kPa	Joback Method
rinsol	1433.00		NIST Webbook
tb	561.68	K	Joback Method
tc	781.85	K	Joback Method
tf	320.99	K	Joback Method
vc	0.598	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.81	J/molxK	561.68	Joback Method
cpg	348.74	J/molxK	598.38	Joback Method
cpg	360.96	J/molxK	635.07	Joback Method
cpg	372.47	J/molxK	671.77	Joback Method
cpg	383.28	J/molxK	708.46	Joback Method
cpg	393.42	J/molxK	745.16	Joback Method
cpg	402.89	J/molxK	781.85	Joback Method
dvisc	0.0016690	Paxs	320.99	Joback Method
dvisc	0.0009314	Paxs	361.11	Joback Method

dvisc	0.0005841	Paxs	401.22	Joback Method
dvisc	0.0003987	Paxs	441.33	Joback Method
dvisc	0.0002900	Paxs	481.45	Joback Method
dvisc	0.0002216	Paxs	521.56	Joback Method
dvisc	0.0001759	Paxs	561.68	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U378128&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U378128&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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