

# Bis(2,3,3,3-tetrachloropropyl) ether

<b>Other names:</b>	Ether, bis(2,3,3,3-tetrachloropropyl) Monsanto 16226 Octachloro-di-n-propyl ether Octachlorodipropyl ether Propane, 1,1'-oxybis[2,3,3,3-tetrachloro- S 421 2,3,3,3,2',3',3',3'-Octachlorodipropyl ether ENT 25,456 Monsanto CP-16226
<b>Inchi:</b>	InChI=1S/C6H6Cl8O/c7-3(5(9,10)11)1-15-2-4(8)6(12,13)14/h3-4H,1-2H2
<b>InchiKey:</b>	LNJXZKBHJZAIKQ-UHFFFAOYSA-N
<b>Formula:</b>	C6H6Cl8O
<b>SMILES:</b>	ClC(COCC(Cl)C(Cl)(Cl)Cl)C(Cl)(Cl)Cl
<b>Mol. weight [g/mol]:</b>	377.74
<b>CAS:</b>	127-90-2

## Physical Properties

Property code	Value	Unit	Source
gf	-200.00	kJ/mol	Joback Method
hf	-453.37	kJ/mol	Joback Method
hfus	24.19	kJ/mol	Joback Method
hvap	63.07	kJ/mol	Joback Method
log10ws	-5.07		Crippen Method
logp	4.958		Crippen Method
mcvol	199.190	ml/mol	McGowan Method
pc	2372.59	kPa	Joback Method
rinpol	1927.00		NIST Webbook
rinpol	1890.00		NIST Webbook
rinpol	1890.00		NIST Webbook
rinpol	1905.00		NIST Webbook
tb	651.20	K	Joback Method
tc	894.28	K	Joback Method
tf	393.81	K	Joback Method
vc	0.748	m3/kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	375.14	J/molxK	651.20	Joback Method
cpg	382.42	J/molxK	691.71	Joback Method
cpg	388.89	J/molxK	732.23	Joback Method
cpg	394.64	J/molxK	772.74	Joback Method
cpg	399.75	J/molxK	813.26	Joback Method
cpg	404.31	J/molxK	853.77	Joback Method
cpg	408.40	J/molxK	894.28	Joback Method
dvisc	0.0021357	Paxs	393.81	Joback Method
dvisc	0.0010297	Paxs	436.71	Joback Method
dvisc	0.0005657	Paxs	479.61	Joback Method
dvisc	0.0003429	Paxs	522.50	Joback Method
dvisc	0.0002242	Paxs	565.40	Joback Method
dvisc	0.0001557	Paxs	608.30	Joback Method
dvisc	0.0001134	Paxs	651.20	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C127902&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C127902&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>

## 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

Latest version available from:

<https://www.chemeo.com/cid/41-598-3/Bis-2-3-3-3-tetrachloropropyl-ether.pdf>

Generated by Cheméo on 2024-05-04 02:19:02.414532844 +0000 UTC m=+17078391.335110156.

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