

# Ledene oxide-(I)

<b>Other names:</b>	Ledenoxide (I)
<b>Inchi:</b>	InChI=1S/C15H24O/c1-9-5-8-15-11(9)12-10(13(12,2)3)6-7-14(15,4)16-15/h9-12H,5-8H2
<b>InchiKey:</b>	OZNHATCGPKOFBH-UHFFFAOYSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	CC1CCC23OC2(C)CCC2C(C13)C2(C)C
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	192.70	kJ/mol	Joback Method
hf	-209.03	kJ/mol	Joback Method
hfus	19.44	kJ/mol	Joback Method
hvap	48.77	kJ/mol	Joback Method
log10ws	-3.78		Crippen Method
logp	3.626		Crippen Method
mcvol	184.640	ml/mol	McGowan Method
pc	2244.00	kPa	Joback Method
rinpol	1890.00		NIST Webbook
rinpol	1890.00		NIST Webbook
ripol	1812.00		NIST Webbook
ripol	1812.00		NIST Webbook
tb	583.22	K	Joback Method
tc	812.69	K	Joback Method
tf	416.12	K	Joback Method
vc	0.716	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	540.98	J/molxK	583.22	Joback Method
cpg	563.50	J/molxK	621.46	Joback Method
cpg	584.43	J/molxK	659.71	Joback Method
cpg	604.21	J/molxK	697.95	Joback Method
cpg	623.32	J/molxK	736.20	Joback Method

cpg	642.20	J/mol×K	774.44	Joback Method
cpg	661.33	J/mol×K	812.69	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U151933&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U151933&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>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>hvp:</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>ripol:</b>	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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