

# 1-Hexanamine, N-ethyl-

<b>Other names:</b>	Hexylamine, N-ethyl- Hexylethylamine N-Ethylhexylamine
<b>Inchi:</b>	InChI=1S/C8H19N/c1-3-5-6-7-8-9-4-2/h9H,3-8H2,1-2H3
<b>InchiKey:</b>	WSTNFGAKGUERTC-UHFFFAOYSA-N
<b>Formula:</b>	C8H19N
<b>SMILES:</b>	CCCCCNCC
<b>Mol. weight [g/mol]:</b>	129.24
<b>CAS:</b>	20352-67-4

## Physical Properties

Property code	Value	Unit	Source
gf	105.87	kJ/mol	Joback Method
hf	-154.98	kJ/mol	Joback Method
hfus	21.57	kJ/mol	Joback Method
hvap	39.84	kJ/mol	Joback Method
log10ws	-2.36		Crippen Method
logp	2.176		Crippen Method
mcvol	133.560	ml/mol	McGowan Method
pc	2568.89	kPa	Joback Method
tb	432.61	K	Joback Method
tc	600.98	K	Joback Method
tf	232.58	K	Joback Method
vc	0.518	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	279.38	J/mol×K	432.61	Joback Method
cpg	293.01	J/mol×K	460.67	Joback Method
cpg	306.12	J/mol×K	488.73	Joback Method
cpg	318.72	J/mol×K	516.80	Joback Method
cpg	330.83	J/mol×K	544.86	Joback Method
cpg	342.46	J/mol×K	572.92	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C20352674&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C20352674&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>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>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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