# Chloroacetamide, N,N-dihexyl-

**Inchi:** InChI=1S/C14H28ClNO/c1-3-5-7-9-11-16(14(17)13-15)12-10-8-6-4-2/h3-13H2,1-2H3
**InchiKey:** ZGQVQRKCUZEQLW-UHFFFAOYSA-N
**Formula:** C14H28ClNO
**SMILES:** CCCCCCN(CCCCCC)C(=O)CCl
**Mol. weight [g/mol]:** 261.83

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | 36.93 | kJ/mol | Joback Method |
| hf | -393.08 | kJ/mol | Joback Method |
| hfus | 40.83 | kJ/mol | Joback Method |
| hvap | 59.93 | kJ/mol | Joback Method |
| log10ws | -4.18 | | Crippen Method |
| logp | 4.214 | | Crippen Method |
| mcvol | 231.910 | ml/mol | McGowan Method |
| pc | 1552.45 | kPa | Joback Method |
| rinpol | 1876.00 | | NIST Webbook |
| tb | 623.46 | K | Joback Method |
| tc | 795.18 | K | Joback Method |
| tf | 359.86 | K | Joback Method |
| vc | 0.892 | m3/kmol | Joback Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 610.85 | J/mol×K | 623.46 | Joback Method |
| cpg | 627.59 | J/mol×K | 652.08 | Joback Method |
| cpg | 643.55 | J/mol×K | 680.70 | Joback Method |
| cpg | 658.76 | J/mol×K | 709.32 | Joback Method |
| cpg | 673.25 | J/mol×K | 737.94 | Joback Method |
| cpg | 687.04 | J/mol×K | 766.56 | Joback Method |
| cpg | 700.16 | J/mol×K | 795.18 | Joback Method |

# Sources

| | |
|---|---|
| **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 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U308476&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **cpg:** | Ideal gas heat capacity |
| **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 |

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