

# germanium dichloride

**Inchi:** InChI=1S/Cl2Ge/c1-3-2  
**InchiKey:** QHGIKMVOLGCZIP-UHFFFAOYSA-N  
**Formula:** Cl<sub>2</sub>Ge  
**SMILES:** Cl[Ge]Cl  
**Mol. weight [g/mol]:** 143.55  
**CAS:** 10060-11-4

## Physical Properties

Property code	Value	Unit	Source
ea	2.56	eV	NIST Webbook
ie	10.20 ± 0.05	eV	NIST Webbook
ie	10.40 ± 0.30	eV	NIST Webbook
ie	10.55 ± 0.03	eV	NIST Webbook
log10ws	1.17		Crippen Method
logp	0.998		Crippen Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C10060114&Units=SI>

## Legend

**ea:** Electron affinity  
**ie:** Ionization energy  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/71-921-0/germanium-dichloride.pdf>

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