

Germanium dioxide

Inchi: InChI=1S/GeO2/c2-1-3
InchiKey: YBMRDBCBDYGGJE-UHFFFAOYSA-N
Formula: GeO2
SMILES: [O]=[Ge]=[O]
Mol. weight [g/mol]: 104.61

Physical Properties

Property code	Value	Unit	Source
ea	2.50	eV	NIST Webbook
hfs	-580.00 ± 1.00	kJ/mol	NIST Webbook
logp	-0.618		Crippen Method
ss	39.71 ± 0.15	J/mol×K	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1310538&Units=SI>

Legend

ea: Electron affinity
hfs: Solid phase enthalpy of formation at standard conditions
logp: Octanol/Water partition coefficient
ss: Solid phase molar entropy at standard conditions

Latest version available from:

<https://www.chemeo.com/cid/12-843-2/Germanium-dioxide.pdf>

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