

Magnesium diethanoate tetrahydrate

Other names:	Magnesiumacetat-tetrahydrat Magnesium acetate tetrahydrate Magnesium diethanoate tetrahydrate
Inchi:	InChI=1S/2C2H4O2.Mg.4H2O/c2*1-2(3)4;;;;;/h2*1H3,(H,3,4);;4*1H2/q;,+2;;;;/p-2
InchiKey:	XKPKPGCRSHFTKM-UHFFFAOYSA-L
Formula:	C4H14MgO8
SMILES:	CC(=O)[O-].CC(=O)[O-].O.O.O.O.[Mg+2]
Mol. weight [g/mol]:	214.45

Physical Properties

Property code	Value	Unit	Source
af	0.2078		Cheméo Relay (1.0)
gf	-597.59	kJ/mol	Cheméo Relay (1.0, beta)
hf	-1705.92	kJ/mol	Cheméo Relay (1.0)
hvap	108.37	kJ/mol	Cheméo Relay (1.0)
ie	10.42	eV	Cheméo Relay (1.0)
log10ws	-0.34		Cheméo Relay (1.0)
pc	15785.83	kPa	Cheméo Relay (1.0, beta)
tb	775.35	K	Cheméo Relay (1.0)
tc	985.88	K	Cheméo Relay (1.0)
tf	367.31	K	Cheméo Relay (1.0)
vc	0.157	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C16674785&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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