Mercury, dimethyl-

Other names: Dimethylmercury
(CH3)2Hg
Inchi: InChI=1S/2CH3.Hg/h2*1H3;
InchiKey: ATZBPOVXVPIOMR-UHFFFAOYSA-N
Formula: C2H6Hg
SMILES: C[Hg]C
Mol. weight [g/mol]: 230.66
CAS: 593-74-8

Physical Properties

Property code	Value	Unit	Source
affp	771.60	kJ/mol	NIST Webbook
basg	740.80	kJ/mol	NIST Webbook
chs	-1806.70	kJ/mol	NIST Webbook
hf	92.40 ± 3.10	kJ/mol	NIST Webbook
hf	196.80	kJ/mol	NIST Webbook
hf	94.40 ± 0.90	kJ/mol	NIST Webbook
hf	96.40 ± 4.00	kJ/mol	NIST Webbook
hf	86.50 ± 2.30	kJ/mol	NIST Webbook
hfl	57.80 ± 3.00	kJ/mol	NIST Webbook
hfl	59.80 ± 0.40	kJ/mol	NIST Webbook
hfl	61.80 ± 3.90	kJ/mol	NIST Webbook
hfl	51.90 ± 2.10	kJ/mol	NIST Webbook
hfs	162.20	kJ/mol	NIST Webbook
hsub	34.60 ± 0.80	kJ/mol	NIST Webbook
hvap	34.60 ± 0.80	kJ/mol	NIST Webbook
ie	9.10 ± 0.05	eV	NIST Webbook
ie	9.30	eV	NIST Webbook
ie	9.33	eV	NIST Webbook
ie	9.33	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

hvapt	36.70 ± 0.10	kJ/mol	321.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C593748&Units=SI

Legend

affp: Proton affinity
basg: Gas basicity
chs: Standard solid enthalpy of combustion
hf: Enthalpy of formation at standard conditions
hfl: Liquid phase enthalpy of formation at standard conditions
hfs: Solid phase enthalpy of formation at standard conditions
hsub: Enthalpy of sublimation at standard conditions
hvap: Enthalpy of vaporization at standard conditions
hvapt: Enthalpy of vaporization at a given temperature
ie: Ionization energy