

Mercury, chloromethyl-

Other names:	Caspan
	Chloromethylmercury
	Mercury methyl chloride
	Methyl meruric chloride
	Methylmercuric chloride
	Methylmercury chloride
	Monomethylmercury chloride
	CH3HgCl
	Methylmercury(2) chloride
	Methylmerkurichlorid
	Methyl mercury, chloro
	Methylmercury monochloride
	NSC 19998
Inchi:	InChI=1S/CH3.ClH.Hg/h1H3;1H;/q;;+1/p-1
InchiKey:	BABMCXWQNSQAOC-UHFFFAOYSA-M
Formula:	CH3ClHg
SMILES:	C[Hg]Cl
Mol. weight [g/mol]:	251.08
CAS:	115-09-3

Physical Properties

Property code	Value	Unit	Source
hf	-55.10 ± 3.30	kJ/mol	NIST Webbook
hfs	-120.00 ± 2.80	kJ/mol	NIST Webbook
hsub	64.90 ± 1.70	kJ/mol	NIST Webbook
hsub	64.90 ± 1.60	kJ/mol	NIST Webbook
ie	11.30 ± 0.20	eV	NIST Webbook
ie	11.50 ± 0.02	eV	NIST Webbook
ie	10.50	eV	NIST Webbook
ie	10.83 ± 0.05	eV	NIST Webbook
ie	10.83	eV	NIST Webbook
ie	10.88	eV	NIST Webbook
ie	10.50	eV	NIST Webbook
ie	10.84 ± 0.05	eV	NIST Webbook
tf	446.60 ± 0.20	K	NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C115093&Units=SI>

Legend

hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy
tf:	Normal melting (fusion) point

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