

Stannane, chlorotrimethyl-

Other names:	Chlorotrimethylstannane
	Chlorotrimethyltin
	M&T Chemicals 1222-45
	Trimethylchlorostannane
	Trimethylchlorotin
	Trimethylstannyl chloride
	Trimethyltin chloride
	(CH ₃) ₃ SnCl
	Stannylum, trimethyl-, chloride
	Tin(+), trimethyl-, chloride
	Trimethyltin monochloride
	NSC 12088
	NSC 92613
Inchi:	InChI=1S/3CH3.ClH.Sn/h3*1H3;1H;/q;;;+1/p-1
InchiKey:	KWTSZCJMWHGPOS-UHFFFAOYSA-M
Formula:	C ₃ H ₉ ClSn
SMILES:	C[Sn](C)(C)Cl
Mol. weight [g/mol]:	199.27
CAS:	1066-45-1

Physical Properties

Property code	Value	Unit	Source
hf	-195.40	kJ/mol	NIST Webbook
hfl	-212.50 ± 7.10	kJ/mol	NIST Webbook
hfs	-245.60 ± 4.10	kJ/mol	NIST Webbook
hsub	50.20	kJ/mol	NIST Webbook
ie	9.90	eV	NIST Webbook
ie	10.16	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1066451&Units=SI>

Legend

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
ie:	Ionization energy

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