

Stannane, tetrabutyl-

Other names:	Tetra-n-butyltin Tetrabutylstannane Tetrabutyltin (C4H9)4Sn Tin, tetrabutyl-
Inchi:	InChI=1S/4C4H9.Sn/c4*1-3-4-2;/h4*1,3-4H2,2H3;
InchiKey:	AFCAKJKUYFLYFK-UHFFFAOYSA-N
Formula:	C16H36Sn
SMILES:	CCCC[Sn](CCCC)(CCCC)CCCC
Mol. weight [g/mol]:	347.17
CAS:	1461-25-2

Physical Properties

Property code	Value	Unit	Source
chl	-11602.20	kJ/mol	NIST Webbook
chl	-11717.30 ± 6.70	kJ/mol	NIST Webbook
chl	-11782.00 ± 17.00	kJ/mol	NIST Webbook
chl	-11719.80 ± 2.90	kJ/mol	NIST Webbook
hf	-217.40 ± 4.50	kJ/mol	NIST Webbook
hf	-154.00 ± 17.00	kJ/mol	NIST Webbook
hf	-333.70	kJ/mol	NIST Webbook
hf	-216.10 ± 4.20	kJ/mol	NIST Webbook
hf	-218.60 ± 7.40	kJ/mol	NIST Webbook
hfl	-300.20 ± 4.00	kJ/mol	NIST Webbook
hfl	-237.00 ± 17.00	kJ/mol	NIST Webbook
hfl	-301.40 ± 7.10	kJ/mol	NIST Webbook
hfl	-298.90 ± 3.60	kJ/mol	NIST Webbook
hfl	-416.50	kJ/mol	NIST Webbook
hvap	82.80 ± 2.10	kJ/mol	NIST Webbook
ie	8.70	eV	NIST Webbook
ie	8.76	eV	NIST Webbook
rinpol	1588.00		NIST Webbook
rinpol	1593.00		NIST Webbook
rinpol	1588.00		NIST Webbook
rinpol	1599.00		NIST Webbook
rinpol	1594.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	67.80 ± 0.50	kJ/mol	425.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1461252&Units=SI>

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
rinpol:	Non-polar retention indices

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