Aluminum, tripropyl-

Other names:	Tripropylaluminum
	UN 2718
	tripropylaluminium
Inchi:	InChI=1S/3C3H7.Al/c3*1-3-2;/h3*1,3H2,2H3;
InchiKey:	CNWZYDSEVLFSMS-UHFFFAOYSA-N
Formula:	C9H21Al
SMILES:	CCC[AlH3](CCC)CCC
Mol. weight [g/mol]:	156.24
CAS:	102-67-0

Physical Properties

Property code	Value	Unit	Source
chl	-7104.00 ± 16.00	kJ/mol	NIST Webbook
chl	-7058.40 ± 0.40	kJ/mol	NIST Webbook
hf	-279.80 ± 1.90	kJ/mol	NIST Webbook
hf	-234.00 ± 16.00	kJ/mol	NIST Webbook
hfl	-276.00 ± 16.00	kJ/mol	NIST Webbook
hfl	-322.30 ± 1.50	kJ/mol	NIST Webbook
hvap	42.50 ± 1.20	kJ/mol	NIST Webbook
sl	370.10	J/mol×K	NIST Webbook
sl	370.10	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	340.50	J/mol×K	298.15	NIST Webbook
cpl	340.50	J/mol×K	298.15	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C102670&Units=SI

Legend

chl:	Standard liquid enthalpy of combustion
cpl:	Liquid phase heat capacity
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
sl:	Liquid phase molar entropy at standard conditions

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