

Aluminum, dichloroethyl-

Other names:	Dichloroethylaluminum Dichloromonoethylaluminum Ethylaluminum dichloride Ethyldichloroaluminum Ethyl aluminum sesquichloride UN 1924 ethylaluminium dichloride
Inchi:	InChI=1S/C2H5.Al.2ClH/c1-2;;;/h1H2,2H3;;2*1H/q;+2;;/p-2
InchiKey:	UAIZDWNSWGTKFZ-UHFFFAOYSA-L
Formula:	C2H5AlCl2
SMILES:	CC[AlH3](Cl)Cl
Mol. weight [g/mol]:	126.95
CAS:	563-43-9

Physical Properties

Property code	Value	Unit	Source
chl	-2072.80 ± 3.80	kJ/mol	NIST Webbook
hfl	-537.60 ± 8.70	kJ/mol	NIST Webbook
hfl	-315.10 ± 3.90	kJ/mol	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C563439&Units=SI>

Legend

chl: Standard liquid enthalpy of combustion
hfl: Liquid phase enthalpy of formation at standard conditions

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<https://www.chemeo.com/cid/27-682-5/Aluminum-dichloroethyl.pdf>

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