

Isobutyltrichlorosilane

Other names:	Silane, trichloro(2-methylpropyl)- i-Butyltrichlorosilane trichloroisobutylsilane
Inchi:	InChI=1S/C4H9Cl3Si/c1-4(2)3-8(5,6)7/h4H,3H2,1-2H3
InchiKey:	GBXOGFTVYQSOID-UHFFFAOYSA-N
Formula:	C4H9Cl3Si
SMILES:	CC(C)C[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	191.56
CAS:	18169-57-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.93		Crippen Method
logp	3.298		Crippen Method
tb	414.00 ± 1.00	K	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18169578&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/48-157-5/Isobutyltrichlorosilane.pdf>

Generated by Cheméo on 2025-12-22 13:08:15.669828323 +0000 UTC m=+6157093.199868985.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.