

Tetramethylammonium chloride

Other names:	Ammonium, tetramethyl-, chloride Methanaminium, N,N,N-trimethyl-, chloride TMAC USAF AN-8
Inchi:	InChI=1S/C4H12N.ClH/c1-5(2,3)4;/h1-4H3;1H/q+1;/p-1
InchiKey:	OKIZCWYLBKLSU-UHFFFAOYSA-M
Formula:	C4H12ClN
SMILES:	C[N+](C)(C)C.[Cl-]
Mol. weight [g/mol]:	109.60
CAS:	75-57-0

Physical Properties

Property code	Value	Unit	Source
ss	190.71	J/molxK	NIST Webbook
tf	612.87	K	Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids
tf	614.70	K	Can cholinium chloride form eutectic solvents with organic chloride-based salts?

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	156.94	J/molxK	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C75570&Units=SI>

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