Tetramethylammonium chloride

Other names: Ammonium, tetramethyl-, chloride

Methanaminium, N,N,N-trimethyl-, chloride

TMAC

USAF AN-8

InChl=1S/C4H12N.ClH/c1-5(2,3)4;/h1-4H3;1H/q+1;/p-1

InchiKey: OKIZCWYLBDKLSU-UHFFFAOYSA-M

Formula: C4H12CIN

SMILES: C[N+](C)(C)C.[CI-]

Mol. weight [g/mol]: 109.60 CAS: 75-57-0

Physical Properties

Property code	Value	Unit	Source
SS	190.71	J/mol×K	NIST Webbook
tf	612.87	К	Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids
tf	614.70	К	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/mol×K	298.15	NIST Webbook

Sources

NIST Webbook:

as Extractants for the Separation of Measa requeithering philaighquidasigud CO2

Glycerol-Based Deep Eutectic Solvents https://www.doi.org/10.1021/acs.jced.5b00717 as Extractants for the Separation of Missened Elizaboro is all puressing CO2 and sleep reutectic solvents formed by garner new techniques of the LE data of systems consisting of the Anna Thermeeling and wesh fifth and the consisting of the Anna Thermeeling of the Anna T https://www.doi.org/10.1016/j.fluid.2016.08.020 https://www.doi.org/10.1021/acs.jced.7b00523 https://www.doi.org/10.1016/j.fluid.2017.11.030 https://www.doi.org/10.1016/j.fluid.2018.01.019 https://www.doi.org/10.1016/j.fluid.2017.04.007 https://www.doi.org/10.1016/j.fluid.2019.04.019 https://www.doi.org/10.1016/j.fluid.2018.06.003 https://www.doi.org/10.1016/j.fluid.2016.08.013

Legend

Solid phase heat capacity cps:

SS: Solid phase molar entropy at standard conditions

tf: Normal melting (fusion) point

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