tetrahexylammonium perchlorate

Other names:	1-hexanaminium, N,N,N-trihexyl-, perchlorate
	N,N,N-trihexyl-1-hexanaminium perchlorate
	Tetra-n-hexylammonium perchlorate
	ammonium, tetrahexyl-, perchlorate
Inchi:	InChI=1S/C24H52N.ClHO4/c1-5-9-13-17-21-25(22-18-14-10-6-2,23-19-15-11-7-3)24-20-
InchiKey:	RLCKPGXHGKSGOS-UHFFFAOYSA-M
Formula:	C24H52ClNO4
SMILES:	CCCCCC[N+](CCCCCC)(CCCCCC)CCCCCC.[O-][Cl+3]([O-])([O-])[O-]
Mol. weight [g/mol]:	454.13
CAS:	4656-81-9

Physical Properties

Property code	Value	Unit	Source
tf	383.00 ± 0.50	K	NIST Webbook
tt	379.22 ± 0.01	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	744.00	J/mol×K	298.15	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4656819&Units=SI
Conductivity and Dissociation Constants of Quaternary Ammonium Perchlorates and Picrates in 4-Methyl-pentan-2-one:	https://www.doi.org/10.1021/je9008969

Legend

cps:	Solid phase heat capacity
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature

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