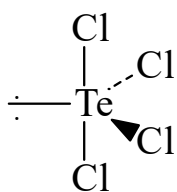


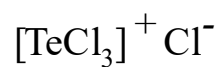


>>Entry Name: Tellurium chloride (TeCl₄), 11Cl

Synonym(s): Tellurium tetrachloride. Trichlorotelluronium(III) chloride



vapour struct.



solid-state struct.

CAS Registry Number: 10026-07-0

Molecular Formula: Cl₄Te

Molecular Weight: 269.411

Accurate Mass: 269.781637

Percentage Composition: Cl 52.64%; Te 47.36%

Source/Synthesis: Synth. from Te + Cl₂

Physical Description: White cryst. solid, red liq. and red vapour. Hydrol. by moist air

Melting Point: Mp 223.5°

Boiling Point: Bp 382°

Solubility: Sol. non-polar org. solvs.

Aldrich: 20533-8

References:

Inorg. Synth., 1950, **3**, 140, (*synth, phys props*)

Schoemaker, C.B. *et al.*, *Acta Cryst.*, 1965, **18**, 296, (*cryst struct*)

Brauer, G., *Handbuch Prep. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **1**, 432, (*synth*)

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