



>>Entry Name: Copper(*I*) telluride (Cu₂Te), 9CI

Synonym(s): Cuprous telluride

CAS Registry Number: 12019-52-2

Cu₂Te

Molecular Formula: Cu₂Te

Molecular Weight: 254.692

Accurate Mass: 255.785425

Percentage Composition: Cu 49.90%; Te 50.10%

Source/Synthesis: Synth. by fusing Cu + Te

Physical Description: Black cryst.

Melting Point: Mp 900°

References:

Rahlf, P., *Z. Phys. Chem., Abt. B*, 1936, **31**, 157-194, (*cryst struct*)

Nowotny, H., *Metallforschung*, 1946, **1**, 40-42; *CA*, **41**, 637c, (*cryst struct*)

Brauer, G., *Handb. Prep. Inorg. Chem.*, 2nd edn., Academic Press, 1965, **2**, 1019-1020, (*synth*)

Becker, K.D. *et al.*, *Solid State Commun.*, 1979, **32**, 1107-1109, (*Cu-63 nmr*)