



>>Entry Name: Germanium(II) sulfide (GeS)

CAS Registry Number: 12025-32-0

GeS

Molecular Formula: GeS

Molecular Weight: 104.676

Accurate Mass: 105.893247

Percentage Composition: Ge 69.37%; S 30.63%

Physical Description: Yellow-red amorph. or black rhombic pyramids

Melting Point: Mp 530°

Boiling Point: Subl. 430°

Solubility: Insol. hot H₂O; sol. cold H₂O, HCl, alkali; NH₄OH, NH₃

References:

Feltz, A. *et al.*, *Amorphous Liq. Semicond.*, *Proc. Int. Conf.*, 7th, 1972, 125, (struct)

Bissert, G. *et al.*, *Acta Cryst. B*, 1978, **34**, 1322, (cryst struct)

Wiedemeier, H. *et al.*, *Z. Kristallogr.*, 1978, **148**, 295, (cryst struct)

Dittrich, K. *et al.*, *Anal. Chim. Acta*, 1983, **152**, 149, (uv)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, GEI000