



>>Entry Name: Diethyl sulfide

ENTRY UNDER REVIEW

Synonym(s): 1,1'-Thiobisethane, 9Cl. Ethyl sulfide, 8Cl

CAS Registry Number: 352-93-2

EtSEt

Molecular Formula: C₄H₁₀S

Molecular Weight: 90.189

Accurate Mass: 90.05032

Percentage Composition: C 53.27%; H 11.18%; S 35.55%

Use/Importance: Solv. for anhyd. mineral salts, used in electroplating baths

Physical Description: Liq.

Melting Point: Fp -102.05°

Boiling Point: Bp 92°

Solubility: Insol. H₂O

Density: d₄²⁰ 0.837

Refractive Index: n_D²⁰ 1.4423

Hazard & Toxicity: Highly flammable, fl. p. -10°. Eye and skin irritant. Evolves H₂S on contact with acids

Aldrich: 10724-7

Fluka: 32530

>>Derivative: S-Oxide

see Diethyl sulfoxide, [BGJ95-X](#)

>>Derivative: S,S-Dioxide

see Diethyl sulfone, [BGJ94-W](#)

References:

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