>>**Entry Name: *N*,*N*'-Dibutylthiourea,** 9CI
Synonym(s): Thiate U. Pennzone B

CAS Registry Number: 109-46-6
$H_3C(CH_2)_3NHCSNH(CH_2)_3CH_3$

Molecular Formula: $C_9H_{20}N_2S$
Molecular Weight: 188.336
Accurate Mass: 188.134718
Percentage Composition: C 57.40%; H 10.70%; N 14.87%; S 17.03%
Use/Importance: Corrosion inhibitor
Physical Description: Needles (EtOH)
Melting Point: Mp 78° (64-65°)
Hazard & Toxicity: LD_{50} (rat, orl) 350 mg/kg

Aldrich: D4959-8
Fluka: 34900

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1339C, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 829D, *(ir)*
Dyson, G.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1926, **45**, 423; *CA*, **20**, 2835, *(synth)*
Schmidt, E. *et al.*, *Ber.*, 1938, **71**, 1935, *(synth)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, DEI000