



>>Entry Name: Dithiocyanatomethane

Synonym(s): Methylene thiocyanate, 8Cl. Methylene bithiocyanate. Kilstain. Proxel MB. Nalfloc N206

CAS Registry Number: 6317-18-6

$\text{CH}_2(\text{SCN})_2$

Molecular Formula: $\text{C}_3\text{H}_2\text{N}_2\text{S}_2$

Molecular Weight: 130.194

Accurate Mass: 129.965938

Percentage Composition: C 27.68%; H 1.55%; N 21.52%; S 49.26%

Use/Importance: Industrial antimicrobial agent used for slime control in paper manuf. etc.

Physical Description: Solid

Melting Point: Mp 102°

Hazard & Toxicity: LD₅₀ (rat, orl) 161 mg/kg

Aldrich: 10509-0

Rare Chemicals Library: S41649-5

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 1409A, (*nmr*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 523A, (*ir*)

Siegel, J.R. *et al.*, *J.A.C.S.*, 1958, **80**, 1753, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MJT500