



>>Entry Name: Triallate, BAN

Synonym(s): S-(2,3,3-Trichloro-2-propenyl) bis(1-methylethyl)carbamothioate, 9Cl. S-2,3,3-Trichloroallyl diisopropylthiocarbamate. Avadex BW. Fargo

CAS Registry Number: 2303-17-5

ClC=CClCH2S[CH(CH3)2]2

Molecular Formula: C₁₀H₁₆Cl₃NOS

Molecular Weight: 304.667

Accurate Mass: 303.001815

Percentage Composition: C 39.42%; H 5.29%; Cl 34.91%; N 4.60%; O 5.25%; S 10.52%

Use/Importance: Herbicide

Physical Description: Oil

Melting Point: Mp 29-30°

Boiling Point: Bp₉ 148-149° approx.

Hazard & Toxicity: LD₅₀ (rat, orl) 1471 mg/kg. LD₅₀ (rbt, skn) 2225 mg/kg

Rare Chemicals Library: S1170-4

References:

U.S. Pat., 1959, 3 330 821; *CA*, **67**, 108272n

Sandhu, S.S. *et al.*, *J. Environ. Sci. Health, Part B*, 1980, **15**, 929, (rev, tox)

Wang, C.-H., *Synthesis*, 1981, 622, (synth)

Pesticide Manual, 9th edn., 1991, No. 11840

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DNS600