



>>Entry Name: 2-Chloro-*N*-isopropylacetanilide

Synonym(s): 2-Chloro-*N*-(1-methylethyl)-*N*-phenylacetamide, 9Cl. Propachlor, BSI, ISO, WSSA. Ramrod. Acilid. Kartex A. Niticid. Albrass. Bexton

CAS Registry Number: 1918-16-7

ClCH2CONPhCH(CH3)2

Molecular Formula: C₁₁H₁₄ClNO

Molecular Weight: 211.69

Accurate Mass: 211.076391

Percentage Composition: C 62.41%; H 6.67%; Cl 16.75%; N 6.62%; O 7.56%

Use/Importance: Preemergence herbicide

Physical Description: Light-tan solid

Melting Point: Mp 67-76°

Solubility: Spar. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 710 mg/kg. LD₅₀ (rbt, skn) 380 mg/kg

Rare Chemicals Library: S13935-1

Supelco: 44-2765

References:

U.S. Pat., 1958, 2 863 752; *CA*, **54**, 20059c

Huppatz, J.L. *et al.*, *Pestic. Sci.*, 1982, **13**, 78, (*synth, activity*)

Voyksner, R.D. *et al.*, *J. Chromatogr.*, 1984, **312**, 221, (*hplc*)

Aschbacher, P.W. *et al.*, *Xenobiotica*, 1987, **17**, 1047, (*metab*)

Wylie, P.L. *et al.*, *J. Chromatogr.*, 1990, **517**, 131, (*glc*)

Pesticide Manual, 9th edn., 1991, No. 10100

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A341

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CHS500