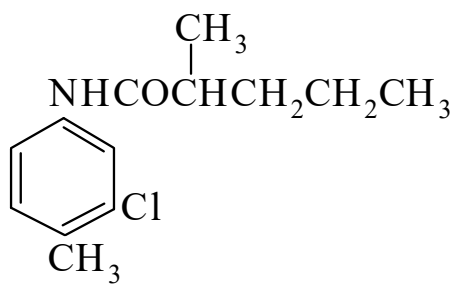




>>Entry Name: **Pentanochlor**, BSI, ISO

Synonym(s): *N*-(3-Chloro-4-methylphenyl)-2-methylpentanamide, 9Cl. Solan, JMAF, WSSA. CMMP, JMAF. Hortox



CAS Registry Number: 2307-68-8

Molecular Formula: C₁₃H₁₈ClNO

Molecular Weight: 239.744

Accurate Mass: 239.107691

Percentage Composition: C 65.13%; H 7.57%; Cl 14.79%; N 5.84%; O 6.67%

>>**Variant:** (±)-form

Molecular Formula: C₁₃H₁₈ClNO

Molecular Weight: 239.744

Accurate Mass: 239.107691

Percentage Composition: C 65.13%; H 7.57%; Cl 14.79%; N 5.84%; O 6.67%

Use/Importance: Selective herbicide

Physical Description: Powder

Melting Point: Mp 85-86°

Solubility: V. spar. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 5100 mg/kg

References:

U.K. Pat., 1958, 869 169; *CA*, **55**, 23917b

Pesticide Manual, 9th edn., 1991, No. 9430

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A315

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, SKQ400