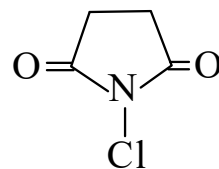




>>Entry Name: N-Chlorosuccinimide, 8Cl

Synonym(s): 1-Chloro-2,5-pyrrolidinedione, 9Cl. NCS



CAS Registry Number: 128-09-6

Molecular Formula: C₄H₄ClNO₂

Molecular Weight: 133.534

Accurate Mass: 132.993056

Percentage Composition: C 35.98%; H 3.02%; Cl 26.55%; N 10.49%; O 23.96%

Use/Importance: Used as a chlorinating and oxidising agent. Has some bactericidal and nematocidal action. Also used for water disinfection

Physical Description: Orthorhombic cryst. (CCl₄) with odour of Cl₂

Melting Point: Mp 149-150°

Solubility: Sl. sol. H₂O, C₆H₆, EtOH; spar. sol. Et₂O, CHCl₃, CCl₄

Hazard & Toxicity: Reacts violently with aliphatic alcohols, benzylamine and N₂H₄.H₂O. Corrosive and irritating to all tissues

Aldrich: 10968-1

Fluka: 26370

Sigma: C0762

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