>>**Entry Name: 1,1,1,3,3,3-Hexachloro-2-propanone,** 9Cl
Synonym(s): Hexachloroacetone. HCA, WSSA

CAS Registry Number: 116-16-5

$Cl_3CCOCCl_3$

Molecular Formula: C_3Cl_6O
Molecular Weight: 264.749
Accurate Mass: 261.808027
Percentage Composition: C 13.61%; Cl 80.35%; O 6.04%
Biological Source: Constit. of *Osmanthus fragrans*. Isol from the alga *Asparagopsis taxiformis*
Use/Importance: Source of positive chlorine in enamine reactions. Herbicide, now superseded
Physical Description: Liq.
Melting Point: Fp –2°
Boiling Point: Bp 202-204°. Bp_{26} 99-101.5°
Solubility: Sl. sol. H_2O
Density: d_{12}^{12} 1.74
Hazard & Toxicity: LD_{50} (rat, orl) 1290 mg/kg; LD_{50} (rat, skn) 2980 mg/kg

Aldrich: H530-8
Fluka: 52080
Sigma: H6887

>>**Derivative:** Tetrahydrate

Physical Description: Unstable cryst.
Melting Point: Mp 39.5-40.5° (incongruent)
Other Data: Unstable. Previously thought to be a covalent monohydrate

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