



>>Entry Name: 2,3-Dichloro-1-propene, 9Cl

CAS Registry Number: 78-88-6

$\text{H}_2\text{C}=\text{CClCH}_2\text{Cl}$

Molecular Formula: $\text{C}_3\text{H}_4\text{Cl}_2$

Molecular Weight: 110.97

Accurate Mass: 109.969004

Percentage Composition: C 32.47%; H 3.63%; Cl 63.90%

Melting Point: Mp 10°

Boiling Point: Bp 94°

Solubility: Insol. H_2O ; sol. EtOH, Et_2O , C_6H_6 , CHCl_3

Density: d^{20}_4 1.211

Refractive Index: n^{20}_D 1.4603

Other Data: Q/e values for copolym., Q 0.12, e -0.40

Hazard & Toxicity: Skin irritant. LD₅₀ (rat, orl) 320 mg/kg. Highly flammable, fl. p. 15°

Aldrich: D7260-3

Fluka: 36319

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 144C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 99A, (ir)

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Henne, A.L. *et al.*, *J.A.C.S.*, 1941, **63**, 2692, (synth)

Yamamoto, O. *et al.*, *Anal. Chem.*, 1972, **44**, 2180, (nmr)

Tanimoto, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 3931, (synth)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 158

Greenley, R.Z., *J. Macromol. Sci., Chem., Part A*, 1980, **14**, 427, (Q/e values)

Agaev, F.D. *et al.*, *Vysokomol. Soedin., Ser. A*, 1990, **32**, 725; *CA*, **114**, 24663s, (copolym, reactivity)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DGH400