



>>Entry Name: **1,3-Dichloro-1-propene**, 9CI

Synonym(s): 1,3-Dichloropropene, BSI, ISO. Telone 2000. Durlone II

CAS Registry Number: 542-75-6

Related CAS Registry Numbers(s): 8003-19-8 8066-01-1

ClH2CCH=CHCl

Molecular Formula: $C_3H_4Cl_2$

Molecular Weight: 110.97

Accurate Mass: 109.969004

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

Use/Importance: Soil fumigant and nematocide. Mixt. of (*E*) and (*Z*)-isomers

Hazard & Toxicity: LD₅₀ (rat, oral) 470 mg/kg. Exp. carcinogen (large dose)

Aldrich: 40373-3

Fluka: 36310

Rare Chemicals Library: S50880-2

Supelco: R43-0330

>>Variant: (*E*)-form

CAS Registry Number: 10061-02-6

Molecular Formula: $C_3H_4Cl_2$

Molecular Weight: 110.97

Accurate Mass: 109.969004

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

Use/Importance: Used with 1,2-Dichloro-1-propene [BGG33-O](#) in the so-called DD mixture as a soil fumigant for control of nematodes affecting roots of plants

Physical Description: Liq. with chloroform odour

Boiling Point: Bp 112°

Sigma: D0179

Supelco: 4-7793

>>Variant: (*Z*)-form

CAS Registry Number: 10061-01-5

Molecular Formula: $C_3H_4Cl_2$

Molecular Weight: 110.97

Accurate Mass: 109.969004

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

Boiling Point: Bp 104.3°

Hazard & Toxicity: Exp. neoplastic agent. Flammable, fl. p. 35°

Sigma: D3929

Supelco: R47-3402

References:

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