



Refractive Index: n_D^{20} 1.4581

Other Data: Q/e values for radical polym., Q 0.059, e -1.38

>> **Derivative:** Chloride

CAS Registry Number: 79-36-7

Molecular Formula: C_2HCl_3O

Molecular Weight: 147.387

Accurate Mass: 145.909296

Percentage Composition: C 16.30%; H 0.68%; Cl 72.16%; O 10.86%

Use/Importance: Derivatisation reagent used in gc anal. of diethylstilbestrol

Physical Description: Liq. with acrid penetrating odour

Boiling Point: Bp 108-111°

Hazard & Toxicity: Corrosive to all tissues

Aldrich: D5500-8

Fluka: 35079

Sigma: D3144

>> **Derivative:** Amide

Synonym(s): Dichloroacetamide

CAS Registry Number: 683-72-7

Molecular Formula: $C_2H_3Cl_2NO$

Molecular Weight: 127.957

Accurate Mass: 126.959168

Percentage Composition: C 18.77%; H 2.36%; Cl 55.41%; N 10.95%; O 12.50%

Biological Source: Constit. of the red alga *Marginisporum aberrans*

Use/Importance: Preservative

Biological Use/Importance: Shows antimicrobial props.

Physical Description: Cryst.

Melting Point: Mp 98°

Boiling Point: Bp₇₄₅ 234°

Other Data: Steam-volatile, subl.

Aldrich: D5440-0

>> **Derivative:** Nitrile

Synonym(s): Dichlorocyanomethane

CAS Registry Number: 3018-12-0

Molecular Formula: C_2HCl_2N

Molecular Weight: 109.942

Accurate Mass: 108.948603

Percentage Composition: C 21.85%; H 0.92%; Cl 64.49%; N 12.74%

Physical Description: Liq.

Boiling Point: Bp 113°

Density: $d^{11.5}$ 1.374

Hazard & Toxicity: LD₅₀ (rat, orl) 330 mg/kg. Exp. reprod. and teratogenic effects

Aldrich: 12595-4

Fluka: 36085

Rare Chemicals Library: S36797-4

Supelco: R30-0635