



>>Entry Name: Benzyl chloride

Synonym(s): (Chloromethyl)benzene, 9Cl. α -Chlorotoluene, 8Cl

CAS Registry Number: 100-44-7

Related CAS Registry Numbers(s): 59502-05-5

PhCH₂Cl

Molecular Formula: C₇H₇Cl

Molecular Weight: 126.585

Accurate Mass: 126.023627

Percentage Composition: C 66.42%; H 5.57%; Cl 28.01%

Source/Synthesis: Produced by thermal or photochemical chlorination of toluene

Use/Importance: Used in manuf. of vinyl resin plasticizers

Physical Description: Liq. with pungent odour

Melting Point: Mp -48°. Mp -43°

Boiling Point: Bp 179°. Bp₆₂ 99°

Density: d₄⁴ 1.11

Other Data: Steam-volatile

Hazard & Toxicity: Can undergo violent metal-catalysed polymerisation if not stabilised. Severe skin, eye and mucous membrane irritant. Lachrymator. Contact with liquid can cause corneal injury and dermatitis. LD₅₀ (rat, orl) 1231 mg/kg; LC₅₀ (rat, ihl) 150 ppm (2 h exposure). Exp. reprod. effects

Aldrich: 32016-1

Fluka: 13280

Sigma: B0887

Supelco: R30-0550

References:

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