



>>Entry Name: Chlorophenylmagnesium, 10Cl, 9Cl, 8Cl

Synonym(s): Phenylmagnesium chloride

CAS Registry Number: 100-59-4

Related CAS Registry Numbers(s): 135691-47-3

PhMgCl

Molecular Formula: C₆H₅ClMg

Molecular Weight: 136.863

Accurate Mass: 135.993019

Percentage Composition: C 52.66%; H 3.68%; Cl 25.90%; Mg 17.76%

Use/Importance: Grignard reagent, commercially available

Solubility: Sol. THF

Other Data: Cryst. from hydrocarbons as Ph₃Mg₂Cl

Aldrich: 22444-8

Fluka: 78793

References:

Bryce-Smith, D. *et al.*, *J.C.S.*, 1961, 1175, (*synth, props*)

Rieke, R.D. *et al.*, *J.A.C.S.*, 1972, **94**, 7178, (*synth*)

Compr. Organomet. Chem., Pergamon, 1982, **1**, 156, (*rev*)

Burns, T.P. *et al.*, *J.O.C.*, 1987, **52**, 3674, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 904