



>>Entry Name: 1-Chloromethyl-3-vinylbenzene

Synonym(s): 1-(Chloromethyl)-3-ethenylbenzene, 9Cl. *m*-(Chloromethyl)styrene, 8Cl. *m*-Vinylbenzyl chloride

CAS Registry Number: 39833-65-3

Related CAS Registry Numbers(s): 57458-41-0

Extra CAS Registry Numbers(s): 30030-25-2

Molecular Formula: C₉H₉Cl

Molecular Weight: 152.623

Accurate Mass: 152.039277

Percentage Composition: C 70.83%; H 5.94%; Cl 23.23%

Use/Importance: Comonomer in specialty plastics

Physical Description: Liq.

Other Data: Coml. monomer is a mixt. of 70% *m*- and 30% *p*-isomers (Bp₁₀ 99°, Fp −26° to −42°) containing a polym. inhibitor, e.g. 4-*tert*-butylcatechol. Polym. to give a high weight homopolymer and copolymer; reactions of the CH₂Cl group can be carried out after polym.

Hazard & Toxicity: Lachrymator

References:

Camps, M. *et al.*, *J. Macromol. Sci., Rev. Macromol. Chem.*, 1983, **22**, 343, (*rev*)

Monthéard, J.-P. *et al.*, *Makromol. Chem.*, 1985, **186**, 2513, (*synth, pmr, cmr*)

Camps, M. *et al.*, *J. Macromol. Sci., Rev. Macromol. Chem. Phys.*, 1987, **27**, 505, (*rev*)

Encyclopaedia of Polymer Science and Engineering, Wiley-Interscience, New York, 2nd edn., 1989, **16**, 18, (*rev, polym*)