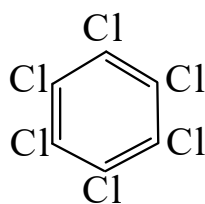




>>Entry Name: Hexachlorobenzene, 9Cl, 8Cl, BSI, ISO

ENTRY UNDER REVIEW

Synonym(s): Perchlorobenzene. HCB



CAS Registry Number: 118-74-1

Molecular Formula: C₆Cl₆

Molecular Weight: 284.782

Accurate Mass: 281.813112

Percentage Composition: C 25.31%; Cl 74.69%

Use/Importance: Reference material used in elemental microanalysis. Agricultural fungicide

Physical Description: Needles (2-propanol)

Melting Point: Mp 226°

Hazard & Toxicity: Fl. p. 242°. Possible human carcinogen. Exp. carcinogenic and reprod. effects. Chronic exposure in humans is associated with development of a type of porphyria, enlarged liver, painless arthritis, enlarged thyroid and neurological symptoms

Aldrich: 17105-0

Fluka: 52100

Rare Chemicals Library: S55980-6

Supelco: R43-0090

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 1016B, (ir)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 135B, (nmr)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 949C, (ir)
Schnepf, O. *et al.*, *J. Chem. Phys.*, 1959, **30**, 868, (uv)
Bullester, M. *et al.*, *J.A.C.S.*, 1960, **82**, 4259, (uv)
Ware, J. *et al.*, *J.O.C.*, 1961, **26**, 2267, (synth)
Solomon, W. *et al.*, *J.O.C.*, 1966, **31**, 1551, (synth)
Delorme, P. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1967, **64**, 591, (ir)
Analyst (London), 1972, **97**, 740, (microanal)
Clark, J. *et al.*, *J.C.S. Perkin 2*, 1976, 73, (ms)
Takeuchi, Y. *et al.*, *J.C.S. Perkin 2*, 1985, 175, (cmr)
Dobson, S. *et al.*, *IARC Sci. Publ.*, 1986, **77**, 203-209; 231-242; 575-579; 585-589; 621-628, (rev)
Renner, G., *Toxicol. Environ. Chem.*, 1988, **18**, 51, (rev, metab)
van Ommen, B. *et al.*, *Drug Metab. Drug Interact.*, 1989, **7**, 213, (tox, rev)
Pesticide Manual, 9th edn., 1991, No. 7070
Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A227
Chemical Hazards of the Workplace, 2nd edn., (eds. Proctor, N.H. *et al.*), J.B. Lippincott, 1988, 320
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, HCC500