



>>Entry Name: 1,1-Dibromoethane, 9CI

Synonym(s): Ethylidene bromide

CAS Registry Number: 557-91-5

Extra CAS Registry Numbers(s): 25620-62-6

$\text{H}_3\text{CCHBr}_2$

Molecular Formula:  $\text{C}_2\text{H}_4\text{Br}_2$

Molecular Weight: 187.862

Accurate Mass: 185.907972

Percentage Composition: C 12.79%; H 2.15%; Br 85.07%

Physical Description: Liq.

Boiling Point:  $\text{Bp}_{755}$  112.5°

Density:  $d_4^{20}$  2.06

Refractive Index:  $n_D^{20}$  1.5122

**Hazard & Toxicity:** Violent reaction with Mg. Irritant

#### References:

Reboul, E., *Annalen*, 1870, **155**, 29, (synth)

Paternó, E. *et al.*, *Ber.*, 1872, **5**, 289, (synth)

Miyajima, G. *et al.*, *J. Phys. Chem.*, 1971, **75**, 3766, (cmr)

Gasteiger, J. *et al.*, *Org. Magn. Reson.*, 1981, **15**, 353, (pmr)

Bukhtiarov, A.V. *et al.*, *Zh. Obshch. Khim.*, 1988, **58**, 1398; *J. Gen. Chem. USSR (Engl. Transl.)*, 1988, **58**, 1246, (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DDN800