

## General

Synonyms: epoxyethylbenzene, epoxystyrene, styrene epoxide, 1-phenyl-1,2-epoxyethane, 1-phenyloxirane, styrene-7,8-oxide, styryl oxide

Molecular formula: C<sub>8</sub>H<sub>8</sub>O

CAS No: 96-09-3

EC No:

## Physical data

Appearance: colourless to light yellow liquid

Melting point: -37 C

Boiling point: 194 C

Vapour density: 4.14 (air = 1)

Vapour pressure: 0.3 mm Hg at 20 C

Density (g cm<sup>-3</sup>): 1.052

Flash point: 79 C

Explosion limits:

Autoignition temperature:

Water solubility: negligible

## Stability

Unstable - polymerises readily with compounds possessing a labile hydrogen (such as acids and alcohols) in the presence of acids, bases or some salts. Combustible. Incompatible with strong oxidizing agents, acids, bases. Moisture sensitive.

## Toxicology

Experimental carcinogen. Equivocal tumorigenic agent. Harmful if swallowed or inhaled. Corrosive. Irritant.