

Safety data for cyclopentadiene



[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: 1,3-cyclopentadiene

Molecular formula: C₅H₆

CAS No: 542-92-7

EC No:

Physical data

Appearance: colourless liquid

Melting point: -97.2 C

Boiling point: 40.8 C

Vapour density:

Vapour pressure:

Specific gravity: 0.8021

Flash point: 0 C

Explosion limits:

Autoignition temperature:

Stability

Stable at room temperature. Incompatible with oxidizing agents, acids and a wide variety of other compounds. May form peroxides in storage. May undergo spontaneous polymerisation. Decomposes on heating. Highly flammable. Mixtures with air are explosive.

Toxicology

Toxic by ingestion, inhalation or through skin contact. Typical 8h TWA 200 mg/m³ (75 ppm)

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R11 R23 R24 R25.

Personal protection

Safety glasses. Effective ventilation. Remove sources of ignition from the working area.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

This information was last updated on March 23, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.

Note also that the information on the PTCL Safety web site, where this page was hosted, has been copied onto many other sites, often without permission. If you have any doubts about the veracity of the information that you are viewing, or have any queries, please check the URL that your web browser displays for this page. If the URL **begins** "http://msds.chem.ox.ac.uk/" the page is maintained by the Safety Officer in Physical Chemistry at Oxford University. If not, this page is a copy made by some other person and we have no responsibility for it.
