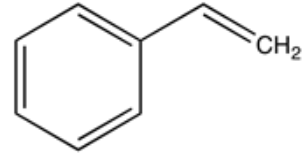


**Identification**

C<sub>8</sub>H<sub>8</sub>  
M = 104,15 g/mol  
CAS [100-42-5]  
EC number: 202-851-5  
Taric code: 2902 50 00

**Synonyms**

Phenylethylene, Vinylbenzene

**Applications**

synthesis of organic products, laboratory reagent, manufacturing of synthetic resins, for the synthesis of: rubber, various plastics.

**Specifications**

assay (G.C.).....	min. 99 %	density (20°/4°).....	0,904 - 0,908
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,05 %

**Physical data**

- Density: 0,906 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,24 g/l
- Melting point: -31 °C
- Boiling point: 145 °C
- Flash point: 31 °C
- Ignition temperature: 480 °C
- Vapour pressure: (20 °C) 6 hPa
- Refraction index: (n 20 °C/D) 1,5458
- Saturation conc.: (20 °C) 25,6 g/m<sup>3</sup>
- Expl. limit (upper): 8,9 Vol%
- Expl. limit (lower): 1,1 Vol%

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H226: Flammable liquid and vapour.  
H332: Harmful if inhaled.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H361d: Suspected of damaging the unborn child.  
H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370+P378: In case of fire: Use ... for extinction.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 F1 III • UN 2055 • STYRENE MONOMER, STABILIZED
- IMDG: 3 III • UN 2055 • STYRENE MONOMER, STABILIZED
- IATA/ICAO: 3 III • UN 2055 • STYRENE MONOMER, STABILIZED
- PAX: 309
- CAO: 310
- 10°C - 30°C