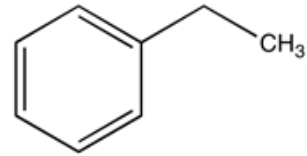


**Identification**

C<sub>8</sub>H<sub>10</sub>  
M = 106,17 g/mol  
CAS [100-41-4]  
EC number: 202-849-4  
Taric code: 2902 60 00

**Synonyms**

Ethylbenzene

**Applications**

analytical chemistry, chromatography, solvents.

**Specifications**

assay (G.C.).....	min. 99,5 %	copper (Cu).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,866 - 0,867	lead (Pb).....	max. 0,1 ppm
acidity.....	max. 0,0003 meq/g	magnesium (Mg).....	max. 0,1 ppm
alkalinity.....	max. 0,0003 meq/g	manganese (Mn).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	nickel (Ni).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
boron (B).....	max. 0,01 ppm	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	sulphur compounds (as S).....	max. 0,003 %
calcium (Ca).....	max. 0,5 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
chromium (Cr).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
		water (K.F.).....	max. 0,03 %

**Physical data**

- Density: 0,87 g/cm<sup>3</sup>
- Solub. in water: (20 °C): sparingly miscible
- Melting point: -95 °C
- Boiling point: 136 °C
- Flash point: 15 °C
- Ignition temperature: 430 °C
- Vapour pressure: (20 °C) 4,9 hPa
- Dielectric const.: (30 °C) 2,3
- Saturation conc.: (20 °C) 40 g/m<sup>3</sup>
- Expl. limit (upper): 7,8 Vol%
- Expl. limit (lower): 1,0 Vol%

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
H332: Harmful if inhaled.  
H304: May be fatal if swallowed and enters airways.  
H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
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 II • UN 1175 • ETHYLBENZENE
- IMDG: 3 II • UN 1175 • ETHYLBENZENE
- IATA/ICAO: 3 II • UN 1175 • ETHYLBENZENE
- PAX: 305
- CAO: 307
- 10°C - 30°C