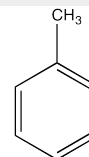


**Identification**

$C_7H_8$   
 M = 92,14 g/mol  
 CAS [108-88-3]  
 EC number: 203-625-9  
 Tarc code: 2902 30 00


**Synonyms**

Methylbenzene, Phenylmethane

**Applications**

synthesis of organic products, solvents, as gasoline additive.

**Specifications**

assay (G.C.).....min. 99,8 %  
 identity (IR-spectrum).....passes test  
 density (20°/4°).....0,864 - 0,868  
 residue on evaporation.....max. 0,0001 %  
 water (K.F.).....max. 0,02 %

Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis  
 ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 2 pg/ml as lindane.  
 No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.  
 Suitable for highly volatile halogenated hydrocarbons trace analysis  
 ECD, from dichloromethane to 1,2,4-trichlorobenzene, no peaks are obtained greater than 1 ng/ml as tetrachloromethane.  
 Suitable for pesticide and polycyclic aromatic hydrocarbons residue analysis  
 FID, from 1-octanol to 1-tetradecanol, no peaks are obtained greater than 2 ng/ml as 1-tetradecanol. No peaks are obtained in vicinity of pyrene.

**Physical data**

- Density: 0,87 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,52 g/l
- Melting point: -95 °C
- Boiling point: 111 °C
- Flash point: 4 °C
- Ignition temperature: 535 °C
- Vapour pressure: (20 °C) 29 hPa
- Viscosity: (20 °C) 0,58 mPas
- Dipolar moment: (20 °C) 0,36 Debye
- Dielectric const.: (25 °C) 2,3
- Saturation conc.: (20 °C) 110 g/m<sup>3</sup>
- Expl. limit (upper): 8 Vol%
- Expl. limit (lower): 1,2 Vol%

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H361d: Suspected of damaging the unborn child.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H315: Causes skin irritation.  
 H336: May cause drowsiness or dizziness.


**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 1294 • TOLUENE
- IMDG: 3 II • UN 1294 • TOLUENE
- IATA/ICAO: 3 II • UN 1294 • TOLUENE
- PAX: 353
- CAO: 364
- 15°C - 25°C