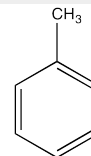


**Identification**

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


**Synonyms**

Methylbenzene, Phenylmethane







**Applications**

synthesis of organic products, solvents, as gasoline additive.

**Specifications**

assay (G.C.).....	min. 99,5 %	residue on evaporation.....	max. 0,003 %
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,1 %
density (20°/4°).....	0,864 - 0,868		

**Packaging**
**Packaging Code**

1 l  TO00721000  
 2,5 l  TO00722500  
 5 l  TO0072005P  
 25 l  TO0072025P  
 25 l  TO0072025S  
 200 l  TO0072200L

**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.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 636 mg/kg
- MAK: 50 ml/m<sup>3</sup>, 190 mg/m<sup>3</sup>
- WGK: 2
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 F1 II • UN 1294 • TOLUENE
- IMDG: 3 II • UN 1294 • TOLUENE
- IATA/ICAO: 3 II • UN 1294 • TOLUENE
- PAX: 305
- CAO: 307