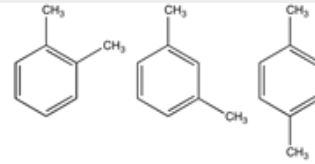


**Identification**

$C_8H_{10}$   
 M = 106,17 g/mol  
 CAS [1330-20-7]  
 EC number: 215-535-7  
 Taric code: 2902 44 00


**Synonyms**

Dimethylbenzene, Xylol

**Applications**

synthesis of organic products, solvents, manufacture of dyes.

**Specifications**

total content of C <sub>8</sub> H <sub>10</sub> isomers (G.C.).....	min. 99 %	lead (Pb).....	max. 0,2 ppm
density (20°/4°).....	0,863 - 0,865	magnesium (Mg).....	max. 0,2 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,05 ppm
acidity.....	max. 0,00025 meq/g	nickel (Ni).....	max. 0,05 ppm
alkalinity.....	max. 0,00025 meq/g	tin (Sn).....	max. 0,2 ppm
aluminium (Al).....	max. 0,5 ppm	zinc (Zn).....	max. 0,2 ppm
barium (Ba).....	max. 0,2 ppm	benzene (G.C.).....	max. 0,1 %
boron (B).....	max. 0,05 ppm	ethylbenzene (G.C.).....	max. 25 %
cadmium (Cd).....	max. 0,1 ppm	thiophene (G.C.).....	max. 0,0005 %
calcium (Ca).....	max. 1 ppm	toluene (G.C.).....	max. 0,4 %
chromium (Cr).....	max. 0,05 ppm	sulphur compounds (as S).....	max. 0,003 %
cobalt (Co).....	max. 0,1 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
copper (Cu).....	max. 0,05 ppm	residue on evaporation.....	max. 0,001 %
iron (Fe).....	max. 0,2 ppm	water (K.F.).....	max. 0,03 %

**Physical data**

- Density: 0,86 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,2 g/l
- Melting point: > -34 °C
- Boiling point: 137 - 143 °C
- Flash point: 25 °C
- Ignition temperature: ~ 465 °C
- Vapour pressure: (20 °C) 10 hPa
- Dielectric const.: (25 °C) 2,4
- Saturation conc.: (20 °C) 30 - 38 g/m<sup>3</sup>
- Expl. limit (upper): 7,5 Vol%
- Expl. limit (lower): 1,7 Vol%

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H226: Flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H312+H332: Harmful in contact with skin or if inhaled.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H412: Harmful to aquatic life with long lasting effects.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 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.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 F1 III • UN 1307 • XYLENES
- IMDG: 3 III • UN 1307 • XYLENES
- IATA/ICAO: 3 III • UN 1307 • XYLENES
- PAX: 355
- CAO: 366
- 10°C - 30°C