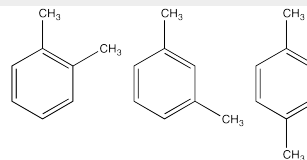


Identification

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 ₈ H ₁₀ isomers (G.C.).....	min. 99 %	copper (Cu).....	max. 0,000002 %
density (20°/20°).....	0,865 - 0,867	iron (Fe).....	max. 0,00001 %
density (20°/4°).....	0,863 - 0,865	lead (Pb).....	max. 0,00001 %
refractive index n ₂₀ /D.....	1,495 - 1,499	magnesium (Mg).....	max. 0,00001 %
appearance.....	clear	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
boiling range (min. 95 %).....	137 - 142 °C	tin (Sn).....	max. 0,00001 %
acidity.....	max. 0,00025 meq/q	zinc (Zn).....	max. 0,00001 %
alkalinity.....	max. 0,00025 meq/q	benzene (G.C.).....	max. 0,1 %
aluminium (Al).....	max. 0,00005 %	ethylbenzene (G.C.).....	max. 25 %
barium (Ba).....	max. 0,00001 %	thiophene (G.C.).....	max. 0,0001 %
boron (B).....	max. 0,000002 %	toluene (G.C.).....	max. 0,4 %
cadmium (Cd).....	max. 0,000005 %	sulfur compounds (as S).....	max. 0,003 %
calcium (Ca).....	max. 0,00005 %	substances darkened by H ₂ SO ₄	passes test
chromium (Cr).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
cobalt (Co).....	max. 0,000002 %	water (K.F.).....	max. 0,02 %

Packaging
Packaging Code

1 	XI00551000
2,5 	XI00552500
5 	XI0055005L
25 	XI0055025A
200 	XI0055200L

Physical data

- Density: 0,86 g/cm³
- 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/m³
- Expl. limit (upper): 7,5 Vol%
- Expl. limit (lower): 1,7 Vol%

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H226: Flammable liquid and vapour.
 H312: Harmful in contact with skin.
 H332: Harmful if inhaled.
 H315: Causes skin irritation.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.
 P261: Avoid breathing 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.
 P321: Specific treatment (see on this label).
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 2840 mg/kg
- MAK: 100 ml/m³, 440 mg/m³
- WGK: 2
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 3 F1 III • UN 1307 • XYLENES
- IMDG: 3 III • UN 1307 • XYLENES
- IATA/ICAO: 3 III • UN 1307 • XYLENES
- PAX: 309
- CAO: 310