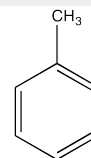


Identification

C₇H₈
 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 %	p-xylene (G.C.).....	max. 0,05 %
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,00002 %
density (20°/4°).....	0,864 - 0,868	iron (Fe).....	max. 0,00005 %
acidity.....	max. 0,0003 meq/g	lead (Pb).....	max. 0,00002 %
alkalinity.....	max. 0,00025 meq/g	nickel (Ni).....	max. 0,00002 %
benzene (G.C.).....	max. 0,1 %	sulphur compounds (as CS ₂).....	max. 0,001 %
ethylbenzene (G.C.).....	max. 0,1 %	substances darkened by H ₂ SO ₄	passes test
o-xylene (G.C.).....	max. 0,05 %	residue on evaporation.....	max. 0,001 %
m-xylene (G.C.).....	max. 0,1 %	water (K.F.).....	max. 0,05 %

Packaging
Packaging Code

1 l  TO00731000
 2,5 l  TO00732500
 5 l  TO0073005L
 5 l  TO0073005P
 25 l  TO0073025A
 25 l  TO0073025S
 200 l  TO0073200E
 200 l  TO0073200L

Physical data

- Density: 0,87 g/cm³
- 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/m³
- 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/m³, 190 mg/m³
- 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