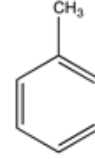


Identification

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. 0,2 ppm
density (20°/4°).....	0,864 - 0,868	iron (Fe).....	max. 0,5 ppm
acidity.....	max. 0,0003 meq/g	lead (Pb).....	max. 0,2 ppm
alkalinity.....	max. 0,00025 meq/g	nickel (Ni).....	max. 0,2 ppm
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 %

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.
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