



Identification

Product code: TO0087
Product name: Toluene, anhydrous, with molecular sieves
C₇H₈
M = 92,14 g/mol
CAS [108-88-3]
EC number: 203-625-9
Taric code: 2902 30 00 00

Synonyms

Methylbenzene, Phenylmethane

Specifications

| | | | |
|-----------------------------|--------------------|---|----------------|
| assay (G.C.)..... | min. 99,8 % | copper (Cu)..... | max. 0,00002 % |
| identity (IR-spectrum)..... | passes test | iron (Fe)..... | max. 0,00005 % |
| density (20°/4°)..... | 0,863 - 0,866 | lead (Pb)..... | max. 0,00002 % |
| acidity..... | max. 0,0003 meq/g | nickel (Ni)..... | max. 0,00002 % |
| alkalinity..... | max. 0,00025 meq/g | thiophene..... | max. 0,0005 % |
| benzene (G.C.)..... | max. 0,1 % | substances darkened by H ₂ SO ₄ | passes test |
| ethylbenzene (G.C.)..... | max. 0,1 % | water (K.F.)..... | max. 0,005 % |
| o-xylene (G.C.)..... | max. 0,05 % | | |
| m-xylene (G.C.)..... | max. 0,1 % | | |
| p-xylene (G.C.)..... | max. 0,05 % | | |

Physical data

- Form: liquid
- Density: 0,87 g/cm³
- Solub. in water (20 °C): 0,52 g/l
- Melting point: -95 °C
- Boiling point: 111 °C
- Flash point: 7 °C
- Ignition temp.: 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%

Toxicological data

- LD 50 (oral, rat): 636 mg/kg
- MAK: 50 ml/m³, 190 mg/m³
- WGK: 2
- Poison class CH (Swiss): 4

Safety

- Hazard symbols: F (Highly flammable). Xn (Harmful)
- EC Index no.: 601-021-00-3
- R: 11-38-48/20-63-65-67
- S: 23.2-36/37-62
- VbF class: A1

Transport/storage

- ADR: 3 F1 II• UN 1294
- IMDG: 3 II• UN 1294
- IATA/ICAO: 3 II• UN 1294
- PAX: 305
- CAO: 307
- LGK: 3 A
- Disposal: 1



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Technical Data Sheet

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Special regulations

Drug precursor, cat. 3
Product submitted to special taxes law