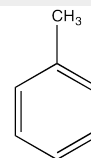


Identification

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. 99,9 %	gold (Au).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	indium (In).....	max. 0,000002 %
density (20°/4°).....	0,864 - 0,868	iron (Fe).....	max. 0,00001 %
density (20°/20°).....	0,865 - 0,870	lead (Pb).....	max. 0,00001 %
appearance.....	clear	lithium (Li).....	max. 0,000002 %
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,00001 %
boiling point.....	109 - 111 ° C	manganese (Mn).....	max. 0,000002 %
acidity.....	max. 0,0002 meq/g	molybdenum (Mo).....	max. 0,000005 %
alkalinity.....	max. 0,0002 meq/g	nickel (Ni).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00005 %	platinum (Pt).....	max. 0,000002 %
sulfates (SO ₄).....	max. 0,0001 %	silver (Ag).....	max. 0,000002 %
aluminium (Al).....	max. 0,00005 %	thallium (Tl).....	max. 0,000005 %
antimony (Sb).....	max. 0,000002 %	tin (Sn).....	max. 0,00001 %
arsenic (As).....	max. 0,000002 %	titanium (Ti).....	max. 0,000005 %
barium (Ba).....	max. 0,00001 %	vanadium (V).....	max. 0,000005 %
beryllium (Be).....	max. 0,000002 %	zinc (Zn).....	max. 0,00001 %
bismuth (Bi).....	max. 0,00001 %	zirconium (Zr).....	max. 0,000002 %
boron (B).....	max. 0,000002 %	benzene (G.C.).....	max. 0,05 %
cadmium (Cd).....	max. 0,000005 %	sulfur compounds (as S).....	max. 0,003 %
calcium (Ca).....	max. 0,00005 %	tiophene (C ₄ H ₄ S).....	max. 0,0001 %
chromium (Cr).....	max. 0,000002 %	substances darkened by H ₂ SO ₄	passes test
cobalt (Co).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
copper (Cu).....	max. 0,000002 %	water (K.F.).....	max. 0,02 %
gallium (Ga).....	max. 0,000002 %		

Packaging
Packaging Code

- 1 l  TO00751000
- 2,5 l  TO00752500
- 5 l  TO0075005L
- 25 l  TO0075025A
- 25 l  TO0075025S
- 30 l  TO0075030S

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