

# Benzene

Grade: Laboratory



M=78.11 g/mol

1L= 0.88 kg

## Specification

Assay (GC).....	≥98.0%
Appearance.....	Conforms
Identity (IR) .....	passes test
Free acid (as Hcl) .....	confirms
Density (d 20°C/4°C).....	0.878-0.879
Evaporation residue.....	<0.001%
Flash point.....	-11 °C
Melting point.....	5.5 °C
Boiling point.....	80 °C

## Technical data

- CAS-No. 71-43-2
- EC-No. 200-753-7
- Vapour pressure 101 hPa (20°C)
- Spec. density 0.88 g/cm<sup>3</sup> (20°C)
- Explosive limit 1.4-8.0 Vol%
- Flash point -11°C (DIN 51755)
- Solub. in H<sub>2</sub>O 1.770 g/l (20°C)
- Kin. Viscosity 0.75
- Ignition temp 555°C (DIN51794)
- Toxic ,carcinogenic, highly flammable
- R 45-11-E48/23/24/25
- S 53-45
- RTECS CY1400000
- Poison class (CH) 1\*
- WGK 3
- LD 50 oral rat 930 mg/kg
- LDLo oral human 50 mg/kg
- EC-index-No. 601-020-00-8
- HS-No. 2902 20 00
- LGK 3 A
- Pack.-cat. A
- Disposal 9
- Road/Rail 3/F 1 ll
- IMDG-Code 3/ll UN 1114
- IATA-DGR UN 1114 CAO 307 PAX 305
- MerckblattBGChemieNr.M025,M017,M056

## Symbol



## Packaging

### Glass Bottles

1 Liter  
2.5 Liter

### Plastic Bottles

1 Liter  
2.5 Liter

### Plastic Gallon

5 Liter  
10 Liter  
20 Liter

Bulk  
Inquire

## Guidelines of usage & storage

- May cause cancer.
- Risk of explosion by shock, friction, fire or other sources of ignition.
- Highly flammable.
- Avoid exposure-obtain special instruction before use. Restricted to professional users.
- Keep away from sources of ignition-No smoking
- Do not breathe dust
- Toxic: danger of serious damage to health by prolonged exposure through in halation. In contact with skin and if swallowed
- keep container tightly closed
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)