

# Phenol

Grade: Extra pure



M=94.11 g/mol

1L=1.06 kg

## Specification

Assay (brome metric).....	99.0-100.5 %
Identity (IR).....	passes test
Appearance of solution.....	conforms
Acidic substances.....	conforms
Solubility.....	conforms
Water.....	≤0.5%
Nonvolatile matter.....	≤0.05%
Sulfate (SO <sub>4</sub> ).....	≤0.05%
Heavy metals (as pb).....	≤0.03%
Related substances (GC).....	conforms
Melting point.....	40.8 °C
Boiling point.....	180°-182°C

## Technical data

- CAS-No. 108-95-2
- EC-No. 203-632-7
- Vapour pressure 0.2 hPa (20°C)
- Spec. density 1.06 g/cm<sup>3</sup> (20°C)
- Explosive limit 1.3-9.5 Vol%
- Flash point 81 °C c.c.
- Solub. in H<sub>2</sub>O 84 g/l (20°C)
- PH value 5(50 g/l, H<sub>2</sub>O, 20°C)
- Ignition temp. 595°C
- Toxic, corrosive
- R 24/25-34
- S 28.6-45
- RTECS SJ3325000
- Poison class (CH) 2
- WGK 2
- LD 50 oral rat 317 mg/kg
- LD 50 dermal rat 669 mg/kg
- LDLO oral human 140 mg/kg
- EC-Index-No. 604-001-00-2
- HS-No. 2907 11 00
- LGK 6.1 A
- Pack.-cat. G
- Disposal 9
- Road/Rail 6.1/T 2 ll
- IMDG-Code 6.1/ll UN 1671
- IATA-DGR UN 1671 CAO 615 PAX 613
- Merckblatt BG Chemie Nr. MO18,M004,M050
- Beilstein 6, 110, l 70, ll 116, lll 505, IV 531
- Fieser 1, 828
- Kühn-Birett P011
- Merck-FT-IR 1000
- Merck-Index 10, 7115
- Roempp 8, 3126
- SAX 6, 2163

## Symbol



## Guidelines of usage & storage

- Toxic in contact with skin and if swallowed.
- Causes burns.
- keep away from food and drink.
- Keep out of reach of children.
- After contact with skin, wash immediately with plenty of polyethylene glycol 400, then rise with plenty of water.
- In case of accident or if you feel unwell, seek advice immediately (show the label where possible).

## Packaging

### Glass Bottles

### Plastic Bottles

1	Liter
2.5	Liter

### Plastic Gallon

5	Liter
10	Liter
20	Liter

Bulk  
Inquire