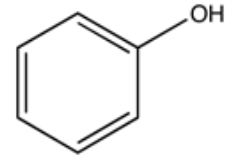


## Phenol, approx. 90%, aqueous solution

**Identification**

C<sub>6</sub>H<sub>5</sub>OH  
M = 94,11 g/mol  
CAS [108-95-2]  
EC number: 203-632-7  
Taric code: 2907 11 00

**Synonyms**

Phenic acid, Hydroxybenzene, Carbolic acid

**Applications**

synthesis of organic products, disinfectant, for pharmaceuticals synthesizing, manufacture of dyes, preservative agent, analytical chemistry, laboratory reagent.

**Specifications**

assay (G.C.).....	89 - 92 %	iron (Fe).....	max. 1 ppm
chlorides (Cl).....	max. 0,0005 %	residue on evaporation.....	max. 0,02 %
heavy metals (as Pb).....	max. 3 ppm	water (K.F.).....	8 - 11 %

**Physical data**

- Density: 1,06 g/cm<sup>3</sup>
- Boiling point: 180-182 °C
- Flash point: 79 °C
- Ignition temperature: 605 °C
- Vapour pressure: (20 °C) 0,2 hPa
- Expl. limit (upper): 9,5 Vol %
- Expl. limit (lower): 1,3 Vol %
- pH(50 g/l H<sub>2</sub>O, 20°C) ~ 5

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled.  
H314: Causes severe skin burns and eye damage.  
H341: Suspected of causing genetic defects.  
H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
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.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 6.1 T1 II • UN 2821 • PHENOL SOLUTION
- IMDG: 6.1 II • UN 2821 • PHENOL SOLUTION
- IATA/ICAO: 6.1 II • UN 2821 • PHENOL SOLUTION
- PAX: 609
- CAO: 611
- 10°C - 30°C