

# PHENOL



CAS Number: 108-95-2

Other Names: Benzenol; Carboic acid; Phenylic acid;  
Hydroxybenzene; Phenic acid

Formula:  $C_6H_6O$  or  $C_6H_5OH$

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## PRODUCT INTRODUCTION

Phenol is an organic hydroxy compound. Solution may be colorless to slightly pink in color with a distinctive phenol odor and sharp burning taste. It is an important industrial commodity as a precursor to many materials and useful compounds.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Color (Molten)	Lt 5 APHA
Water Content	68.00 wt.ppm
Iron	0.05 mg/Kg
Odor	Characteristic
Solidification Point	40.80 °C
Purity	99.99 wt%
Water Solubility (25°C)	Clear

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## APPLICATION

- Phenol is used as a precursor for cyclohexanone, plastics, nonionic detergents and pharmaceutical drugs like aspirin.
- It acts as an anesthetic in chloraseptic.
- It reacts with acetone to get bisphenol-A which is used in the synthesis of poly carbonates and epoxide resins.
- It is also used in the manufacture of synthetic resins, dyes, pharmaceuticals, synthetic tanning agents, perfumes, lubricating oils and solvents.
- In molecular biology, it is used in the extraction of nucleic acid from tissues by using the liquid/liquid phenol-chloroform extraction technique.

- It is an active component of paint strippers which are used for the removal of epoxy and polyurethane.
- It is also used in the preparation of cosmetics, hair colors and skin lightening preparations.
- In the field of medicine, its spray is useful in helping sore throat.

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## PACKAGING OPTIONS

Drums

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