



Distribution & Service Since 1973

Let Us Work For You!

Phone: (610) 758-9602

Toll Free: (844) 758-9602

Email: Inquirehere@kesslerchemical.com

Web: www.kesslerchemical.com

Phenol-99%
Technical Data Sheet

Synonyms: Carbolic acid; Phenylic acid; Hydroxybenzene; Monohydroxybenzene; Phenyl hydroxide

CAS#: 108-95-2

Tech Grade Sales Specifications (Product ID: PH99-475)

Purity (by GC): 99.6% Min.

Water: 0.1% Max.

Solidification Point: 40.6°C Min.

Color: 20 APHA Max.

Appearance: Physical state: Solid or Molten
Color: colorless to light pink or yellow

Packing: 475 lbs. net drum

Lab Grade Sales Specifications (Product ID: PH99-40)

Purity (by GC): 99.0% Min.

Water: 0.15% Max.

Solidification Point: 40.5°C Min.

Color: 20 APHA Max.

Packing: 40 lb. net pail

Physical Properties:

Odor: Sweet, aromatic

Specific Gravity (50°C.): 1.05 g/mL

Initial boiling point/range: 181°C (358°F)

Flash point: 79.4°C (174.92°F)

Vapor pressure: 0.26 hPa at 20°C (68°F)

Solubility: Water, 84 g/L at 20°C.

Partition coefficient: n-octanol/water: log Pow: 1.47

Auto-ignition temperature: 715°C (1319°F)

Molecular Formula: C₆H₆O

Molecular Weight: 94.11 g/mol

Product Description:

Kessler Chemical is a leading supplier and distributor of high-purity Phenol. Kessler Chemical works closely with leading suppliers to offer the high quality Phenol that you need for your applications.

Phenol, also known as carbolic acid, is an aromatic organic compound with the molecular formula C₆H₅OH.

Phenol is produced on a large scale (about 15 billion lbs./year) from petroleum. It is an important industrial commodity as a precursor to many materials and useful compounds. Because of phenol's commercial importance, many methods have been developed for its production. The dominant current route (approximately 95% of production) is the Cumene process, which involves the partial oxidation of Cumene (isopropylbenzene) via the Hock Rearrangement. Acetone is produced as a by-product.

The major uses of phenol are in the manufacture of plywood adhesives and plastics. About two-thirds of its production involves the conversion to precursors for plastics, such as polycarbonates, epoxies, nylon, and phenolic resins. Other uses include detergents, herbicides and numerous pharmaceuticals. Phenol is also being used in battery energy storage applications.

Chemical producers and buyers rely on Kessler Chemical for their Phenol needs. We offer the quality, availability and technical knowledge you are looking for in a Phenol supplier. Let Kessler Chemical work for you!