

# Phenol solution 90%

## Identification <sup>1</sup>

CAS Number: 108-95-2

EC Number: 203-632-7

## Description

Phenol 90% is a dilution of phenol with 10% of water content. Before of this, Phenol pure is the result of splitting cumene hydroperoxide with sulphuric acid. Cumene is obtained through a catalytic alkylation of benzene with propylene using a solid bed catalyst.

## Uses

Main use of phenol is the production of BPA (Bisphenol A) intermediate in the manufacture of Polycarbonate and Epoxy Resins. Phenol is also employed to produce caprolactam in Nylon 6 route. Phenolic resins for a variety of applications: Construction, Industry in several topics like insolate, laminates, coatings. Other apps include disinfectant, medicinal products, food additives.

## Typical properties

Parameter	Unit	Method	Value
Appearance	-	ASTMD 4176	Clear liquid without suspended matter
Odour	-	Organoleptic	Aromatic
Color Pt/Co	Hazen	ASTM D 1209	≤10
Melting point	°C	ASTM D 6875	22
Flash point	Closed cup:	°C	79
	Open cup:	°C	85
Initial boiling point	°C	-	181,9
Auto-ignition temperature	°C	-	715
Water content	%(m/m)	ASTM D 1364	8,0 -12,0
Purity	%(m/m)	ASTM D 6142	88,0-92,0
2-mbf	mg/kg	ASTM D 6142	< 12
Carbonyls	mg/kg	ASTM E 411	5

\*All the data provided does not imply the replacement of the Moeve Specification Sheets or Safety Sheets

<sup>1</sup> For the latest updates on these numbers, please consult the safety data sheet available at: [chemicals.moeveglobal.com](https://chemicals.moeveglobal.com)

## Transport

Available in drums, tank trucks, rail-tank, vessels and barges.

## Storage and handling

Store in accordance with local regulations.

Tank material: Stainless steel 316. Carbon steel with coatings.

Liquid: 50 °C up to 60 °C.

## Health and safety

Avoid exposure, contact with eyes, skin and clothing. Avoid breathing dust. For more safety considerations, refer to the Safety Data Sheet.

For more info, please contact us: [techsupport@moevechemicals.com](mailto:techsupport@moevechemicals.com)

Moeve Chemicals, S.A.U. Plaza Pablo Ruiz Picasso, 1. Edificio Torre Picasso. 28020 Madrid

# Phenol solution 90% Flex

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