

PHENOL

DESCRIPTION

Phenol 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.

IDENTIFICATION

CAS NUMBER:	108-95-2
Nº REACH:	01-2119471329-32-0018
CE NUMBER:	203-632-7

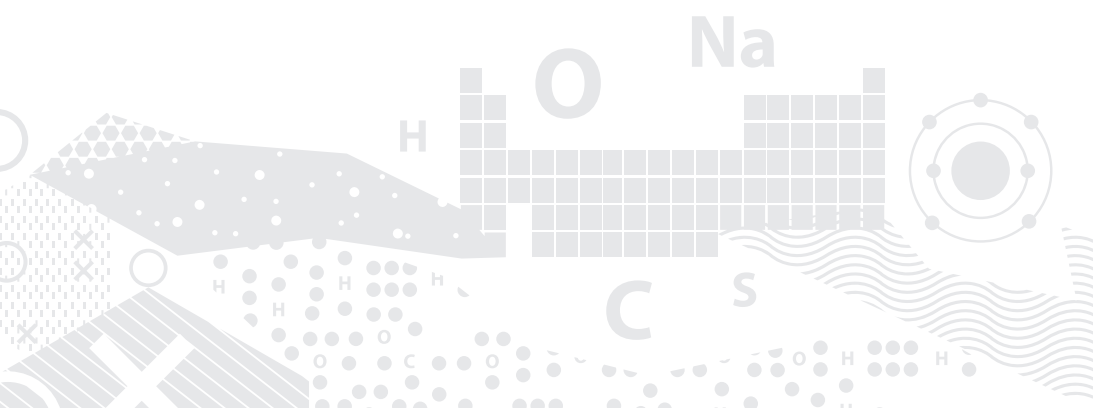
APPLICATION

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

Property	Unit	Method	Value
Appearance	-	Clear, free suspended material.	
Odour	-	Aromatic, bitter-sweet.	
Color Pt/Co	Hazen	ASTM D 1868	≤10
Miscibility (1/20 20°C)	°C	20	-
Melting point	°C	ASTM D 1493	40,6
Flash point Closed cup:	°C	-	81
Open cup:	°C	-	85
Boiling point	°C	-	181,9
Auto-ignition temperature	°C	-	595
Water content	mg/kg	ASTM D 1631	<500
Purity	%	Calculated	>99,9
Density @ 20°C	g/cm ³	-	1,071
2-mbf	kg/m	-	<100
Carbonils	kg/m	GLC	<100
Non-volatile residue	%w		<0,05
Sulphur	kg/m	ASTM D 5148	<0,2
Explosive limit (in air)	% v/v		1,5

*Data provided, do not imply any warranty in substitution of Cepsa quimica Sale Specifications or MSDS.



TRANSPORT

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

STORAGE AND HANDLING

Store in accordance with local regulations.

Liquid: 50 °C up to 60 °C.

Tank material: Stainless steel 316.

Carbon steel with coatings.

HEALTH AND SAFETY

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.

Avoid release to the environment. For more information see MSDS.



For more info, please contact us:

techsupport@cepsa.com

Cepsa Quimica S.A.
Torre Cepsa. Paseo de la Castellana 259 A
28046 Madrid (Spain)