Phenol

Identification [1]

CAS Number: 108-95-2 EC Number: 203-632-7

Description

Phenol is the result of splitting cumene hydroperoxide with sulphuric acid. Cumene is obtained throught a catalytic alkylation of benzene with propilene 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	Aromático.
Color Pt/Co		Hazen	ASTM D 1209	≤10
Melting point		ºC	ASTM D 6875	40,8
Flash point	Closed cup:	ºC	-	81
	Open cup:	ºC	-	85
Initial boiling point		ºC	-	181,9
Auto-ignition temperature		ºC	-	595
Water content		(w/w)%	ASTM D 1364	0,01
Purity		(w/w)%	ASTM D 6142	>99,9
Density	@ 20ºC	g/cm^3	ASTM D 4052	1,071
2-mbf		mg/kg	ASTM D 6142	12
Mesityl oxide		mg/kg	ASTM D 6142	<1
Carbonyls		mg/kg	ASTM E 411	5
Explosive limit (in air)		% v/v		1,5

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

[1] For the latest updates on these numbers, please consult the safety data sheet available at: 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
Moeve Chemicals, S.A.U. Plaza Pablo Ruiz Picasso, 1. Edificio Torre Picasso. 28020 Madrid

Phenol SPC-PC

Identification [1]

CAS Number: 108-95-2 EC Number: 203-632-7

Description

Phenol is the result of splitting cumene hydroperoxide with sulphuric acid. Cumene is obtained throught a catalytic alkylation of benzene with propilene 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	Aromático.
Color Pt/Co		Hazen	ASTM D 1209	≤5
Melting point		ºC	ASTM D 6875	40,8
Flash point	Closed cup:	ºC	-	81
	Open cup:	ºC	-	85
Initial boiling point		ºC	-	181,9
Auto-ignition temperature		ºC	-	595
Water content		(w/w)%	ASTM D 1364	0,01
Purity		(w/w)%	ASTM D 6142	>99,9
Density	@ 20ºC	g/cm^3	ASTM D 4052	1,071
2-mbf		mg/kg	ASTM D 6142	12
Mesityl oxide		mg/kg	ASTM D 6142	<1
Carbonyls		mg/kg	ASTM E 411	5
Explosive limit (in air)		% v/v		1,5

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

[1] For the latest updates on these numbers, please consult the safety data sheet available at: 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.

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Phenol RES

Identification [1]

CAS Number: 108-95-2 EC Number: 203-632-7

Description

Phenol is the result of splitting cumene hydroperoxide with sulphuric acid. Cumene is obtained throught a catalytic alkylation of benzene with propilene 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	Aromático.
Color Pt/Co		Hazen	ASTM D 1209	≤20
Melting point		ºC	ASTM D 6875	40,8
Flash point	Closed cup:	ºC	-	81
	Open cup:	ºC	-	85
Initial boiling point		ºC	-	181,9
Auto-ignition temperature		ºC	-	595
Water content		(w/w)%	ASTM D 1364	0,01
Purity		(w/w)%	ASTM D 6142	>99,9
Density	@ 20ºC	g/cm^3	ASTM D 4052	1,071
2-mbf		mg/kg	ASTM D 6142	12
Mesityl oxide		mg/kg	ASTM D 6142	<1
Carbonyls		mg/kg	ASTM E 411	5
Explosive limit (in air)		% v/v		1,5

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[1] For the latest updates on these numbers, please consult the safety data sheet available at: 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.

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Phenol Flex

Identification [1]

CAS Number: 108-95-2 EC Number: 203-632-7

Description

Phenol is the result of splitting cumene hydroperoxide with sulphuric acid. Cumene is obtained throught a catalytic alkylation of benzene with propilene 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	Aromático.
Color Pt/Co		Hazen	ASTM D 1209	-
Melting point		ºC	ASTM D 6875	40,8
Flash point	Closed cup:	ºC	-	81
	Open cup:	ºC	-	85
Initial boiling point		ºC	-	181,9
Auto-ignition temperature		ºC	-	595
Water content		(w/w)%	ASTM D 1364	0,01
Purity		(w/w)%	ASTM D 6142	>99,9
Density	@ 20ºC	g/cm^3	ASTM D 4052	1,071
2-mbf		mg/kg	ASTM D 6142	12
Mesityl oxide		mg/kg	ASTM D 6142	<1
Carbonyls		mg/kg	ASTM E 411	5
Explosive limit (in air)		% v/v		1,5

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[1] For the latest updates on these numbers, please consult the safety data sheet available at: 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.

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