TECHNICAL PAGE

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Cumene - Low Carbon

Identification [1]

CAS Number: 98-82-8 EC Number: 202-704-5

Description

Cumene is obtained throught a catalytic alkylation of benzene with propilene. Both raw materials comes from crude oil distillation.

Uses

Nearly all the cumene, produced as a pure compound on an industrial scale, is converted to cumene hydroperoxide,which is an intermediate in the synthesis of other important chemicals such as phenol and acetone. Moreover, it is employed in surfactants, in the production of Propylene Oxide (PO) and in gasoline pool as additive.

Typical properties

Parameter		Unit	Method	Value
Appearance		-	ASTMD 4176	Líquido claro sin material en suspensión.
Melting point		ºC		-96
Color Pt/Co		Hazen	ASTM D 1209	< 5
Boiling point		ºC	ASTM D 850	152
Auto-ignition temperature		ºC		420
Purity		%(m/m)	ASTM D 7057	> 99,95
Bromine Index		mg Br /100g	ASTM D 5776	< 10
Benzene		mg/kg	ASTM D 7057	< 6
Non-Aromatics		mg/kg	ASTM D 7057	< 80
Toluene		mg/kg	ASTM D 7057	< 15
Phenol		mg/kg	ASTM D 7057	< 1
Density @ 15,5 ºC		kg/l	ASTM D 4052	0,865
Sulphur		mg/kg	ASTM D 5453	< 0,5
Flash point	Closed cup:	ºC		31
	Open cup:	ºC		25

*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 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.
The use of blanketing is advisable.

Health ans safety

Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep away from heat, sparks, open flames, or any other ignition source. For more safety considerations, refer to the Safety Data Sheet.

For more info, please contact us: techsupport@moevechemicals.com
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