

Technical Data Sheet

MCS®-2811

Applications

- Chemicals & petrochemicals
- Intermediates
- Lubricants
- Oil or gas processing
- Plasticizer
- Polymer & plastic
- Process additives
- Process solvents

Key Attributes

- High boiling point
- High chemical stability
- High flash point
- High solvency
- Low polarity
- Low reactivity

Product Description

MCS 2811 process fluid is a partially hydrogenated terphenyl mixture. Applications for MCS 2811 process fluid include process media or solvents in many industries, including chemicals and petrochemicals.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Appearance		Yellowish clear liquid
Composition		Hydrogenated terphenyl mixture
Molecular Weight (Average)		242
Density		
@ 25°C (77°F)		1.01 g/mL (8.39 lb/gal)
Copper Corrosion	ASTM D849	Pass-1A
Bromine Index	ASTM D2710	290
Bromine Number	ASTM D1159	0.2
Flash Point	ASTM D92	184 °C (363 °F)
Aniline Point	ASTM D611	23 °C (73 °F)
Kauri-Butanol Value	ASTM D1133	34.9
Solubility Parameter		18.4 MPa ^{1/2}
Water solubility		
@ 20°C (68°F)		0.061 mg/L
Moisture Content		150 ppm, max
Autoignition Temperature	ASTM E659	374 °C (705 °F)
Fire Point	ASTM D92	212 °C (414 °F)
Viscosity, Kinematic		
@ 93°C (200°F)		4.37 cSt
Boiling Point		
@ 10%		348 °C (658 °F)
@ 90%		392 °C (738 °F)
Initial @ 14.7 psia		>300 °C (>572 °F)
Normal Boiling Point		359 °C (678 °F)
Vapor Pressure		
@ 93°C (200°F)		0.0352 kPa (0.0051 psia)

Comments

Values quoted are typical values obtained in the laboratory from production samples and are not guaranteed. Production materials may vary. Contact Eastman for current sales specifications.

Typical properties does not constitute an express warranty.

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6/7/2019 10:41:42 AM

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