

# Technical Data Sheet

## MCS®-2812

### Applications

- Chemicals & petrochemicals
- Intermediates
- Lubricants
- Oil or gas processing
- 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 2812 process fluid is a biphenyl-diphenyl ether eutectic mixture. Applications for MCS 2812 include process media or solvents in many industries, including chemicals and petrochemicals.

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Appearance		Clear colorless liquid
Composition		Diphenyl ether/biphenyl eutectic blend
Molecular Weight (Average)		166
Density		
@ 25°C (77°F)		1.06 g/mL (8.82 lb/gal)
Copper Corrosion	ASTM D849	Pass-1B
Bromine Index	ASTM D2710	100
Bromine Number	ASTM D1159	<0.1
Flash Point	ASTM D92	124 °C (255 °F)
Aniline Point	ASTM D611	25 °C (77 °F)
Kauri-Butanol Value	ASTM D1133	50.9
Water solubility		
@ 20°C (68°F)		25 mg/L
Moisture Content		300 ppm, max
Autoignition Temperature	ASTM E659	621 °C (1150 °F)
Fire Point	ASTM D92	127 °C (260 °F)
Viscosity, Kinematic		
@ 38°C (100°F)		2.60 cSt
Normal Boiling Point		257 °C (495 °F)
Vapor Pressure		
@ 93°C (200°F)		0.333 kPa (0.0483 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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