

# Technical Data Sheet

## MCS®-2780 Functional Product

### Applications

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

### Key Attributes

- Fully saturated (>99%)
- Good solvency
- High boiling point
- High chemical stability
- High flash point
- Low odor
- Low polarity
- Low reactivity

### Product Description

MCS 2780 is composed of bicyclohexyl, a fully saturated cycloalkane compound with low viscosity. MCS-2780 may be used as process media or solvents in many industries, including chemicals, petrochemicals, polymers, coatings, photography, and applications where an environmentally friendly solvent is needed.

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Appearance		Colorless liquid above 4 °C (39 °F)
Composition		Bicyclohexyl
Molecular Weight (Average)		166
Density		
@ 25°C (77°F)		0.878 g/mL (7.31 lb/gal)
Copper Corrosion	ASTM D849	Pass-1B
Bromine Index	ASTM D2710	<100
Bromine Number		<0.1
Flash Point	ASTM D92	101.7 °C (215 °F)
Aniline Point	ASTM D611	48 °C (118 °F)
Kauri-Butanol Value	ASTM D1133	39.3
Water solubility		
@ 20°C (68°F)		<11 mg/L
Moisture Content		150 ppm, max
Autoignition Temperature	ASTM E659	231.1 °C (448 °F)
Fire Point	ASTM D92	104.4 °C (220 °F)
Viscosity, Kinematic		
@ 40°C (104°F)		2.94 cSt
Boiling Point		
@ 10%		243 °C (469 °F)
@ 90%		243 °C (469 °F)
Normal Boiling Point		243 °C (469 °F)
Vapor Pressure		
@ 93°C (200°F)		1.434 kPa (0.208 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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