

Technical Data Sheet

MCS®-2805

Applications

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

Key Attributes

- Aromatic-based blend
- High boiling point
- High chemical stability
- High flash point
- High solvency
- Low odor
- Low polarity
- Low reactivity

Product Description

MCS 2805 process fluid is a phenyl cyclohexane bicyclohexyl mixture. Due to its strong solvency and low viscosity, applications for MCS 2805 include process media or solvents in many industries, including chemicals, petrochemicals, polymers, inks, and coatings.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Appearance		Clear colorless liquid
Composition		Phenyl cyclohexane - bicyclohexyl mixture
Molecular Weight (Average)		161
Density @ 25°C (77°F)		0.934 g/mL (7.78 lb/gal)
Copper Corrosion	ASTM D849	Pass-1B
Bromine Index	ASTM D2710	393
Flash Point	ASTM D92	104 °C (219 °F)
Aniline Point	ASTM D611	19.5 °C (67 °F)
Kauri-Butanol Value	ASTM D1133	91.2
Water solubility @ 20°C (68°F)		Minimal
Moisture Content		150 ppm, max
Autoignition Temperature	ASTM E659	351 °C (663 °F)
Fire Point	ASTM D92	113 °C (235 °F)
Viscosity, Kinematic @ 38°C (100°F)		2.04 cSt
Normal Boiling Point		243 °C (469 °F)
Freezing Point		2.4 °C (36 °F)
Vapor Pressure @ 93°C (200°F)		0.404 kPa (0.0585 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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