



Product Data

Hysol MB 10

Semi-Synthetic Metalworking Fluid

Description

Castrol Hysol™ MB 10 is a semi-synthetic fluid which is chlorine and formaldehyde releasing agent free. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

Hysol MB 10 is suitable for large central systems and single sump machines.

Advantages

- Effective wetting properties maintains clean machines and components
- Stable fluid suitable for a wide range of water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Low foaming in all water conditions
- Formaldehyde releasing agent free to comply with health and safety regulations

Typical Physical Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Hazy yellow/amber liquid
Appearance of Dilution	-	Visual	Semi Translucent
pH of Dilution	@ 5%	CN-TM-069	9.5
Specific Gravity	@60°F (16°C)	Cn-TM-086	1.0
Bulk Density	Lbs/gal	-	8.32
Nitrites	-	-	None
Chlorine	-	-	None
Phenols	-	-	None

Recommended Concentrations

Grinding	5-6%
General Machining	6-10%

Concentration Control

Refractometer Reading	% Concentration
1.0	2.0
2.5	5.0
3.7	7.5
5.0	10.0

User Advice

Castrol Hysol MB 10 is recommended for use in light to medium duty machining and grinding applications. Hysol MB 10 is compatible with ferrous and aluminum alloys. Not recommended for use in heavy duty applications.

Systems using Hysol MB 10 should be maintained at a pH range of 8.8 - 9.3 by adding Balancer P3 if pH decreases. Maintenance of pH level is important to control biological activity of coolant system.

Concentration should be maintained at 5-10%. Addition of product concentrate in regular, standard additions will help maintain pH, bio-stability and additive levels.

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	ü	-	-	ü	-

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12 Jan 2018

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