



Product Data

Hysol MB 20

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ MB 20 is a high performance chlorine and formaldehyde releasing free semi-synthetic metalworking fluid. 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 20 is suitable for large central systems and single sump machines.

Application

Hysol MB 20 is especially designed for machining of cast iron and low-medium alloyed steel.

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	ü ü ü	ü ü	ü ü			
Milling, Turning (general machining)	ü ü ü	ü ü	ü			
Drilling	ü ü ü	ü ü				
Reaming, Tapping	ü ü ü	ü				
Broaching	ü ü ü	ü				

ü ü ü core application ü ü recommended application ü suggested application, please consult Castrol representative

Advantages

- Formaldehyde releasing agent free to comply with health and safety regulations
- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Extend fluid life and reduce maintenance and machine downtime regarding good anti-microbiological performance
- Low foam in recommended water conditions
- Excellent anti-corrosion properties to protect machine tools and parts
- Advanced lubricity compounds ensure improved tool life and part quality
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	29
Emulsion			
Appearance	Visual		Transluzent
pH (5%)	DIN 51369 ASTM E70-97		9,5
Refractometer Factor			1,25

Recommended Concentrations

Grinding 4 – 5%

Machining 5 – 8%

Water range 100-600 ppm CaCO₃

Additional Information

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

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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