



Product Data

Castrol Hysol MB 50 B

High performance soluble metalworking fluid

Description

Castrol Hysol™ MB 50 B is a high performance soluble metalworking fluid formulated without formaldehyde releasing agents. It contains an additive package that may help to enhance machining performance and surface finish. It also provides excellent product stability which helps to lower the overall operational costs.

Hysol MB 50 B is suitable for large central systems and single sump machines.

Application

Hysol MB 50 B is especially designed for machining of ferrous and aluminium alloys in aerospace industry.

√√ suggested core application √ possible application; please consult Castrol representative prior to use

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

Advantages

- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Lubrication package designed to try to help enhance tool life and improve surface finish on aluminium, titanium and ferrous machining
- Good wetting properties can help to reduce coolant drag out and help deliver cleaner machine tools and components
- Suitable for a wide range of materials and applications provides opportunity for product consolidation
- Formulated without formaldehyde releasing agents which help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded

Typical Characteristics

Name	Method	Units	Hysol MB 50 B
Density @ 15C, Relative	ASTM D4052	g/ml	0.95
pH, Deionized water, 5%	CN-TM-069		9.7
Colour, Visual	Visual		Yellow liquid
Refractometer Factor	Supplier	-	1.0

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	5-7%
General Machining	5-8%
Drilling	6-8%
Reaming and tapping	7-10%
Broaching	8-10%
Water range	100-1000 ppm CaCO ₃

Castrol Hysol MB 50 B

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