Product Data

Syntilo MR 9974 BF

High Performance Synthetic Cutting Fluid

Description

Castrol Syntilo™ MR 9994 BF is a synthetic cutting fluid formulated without boron and formaldehyde releasing agents. It contains an additive package that provides good corrosion protection to machine tools and parts. The fluid also provides excellent product stability which helps to lower the overall operational costs.

Syntilo MR 9974 BF is suitable for large central systems and single sump machines.

Application

Syntilo MR 9974 BF is especially designed as a grinding, honing and heavy duty machining fluid for ferrous materials.

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

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloy	Titanium alloy	Tungsten Carbide
Grinding	√	√√	√√			
Milling, Turning (general machining)	√	√√	√√		√√	
Drilling	√	√√	√√		√	
Reaming, Tapping	√	√√	√√		√	
Broaching	√	√√	√√			

Advantages

- Low foaming in recommended water conditions (see details below)
- Extended fluid life can help to reduce maintenance and downtime
- Rejects tramp oil to the surface of the fluid for easy removal
- Formulated without boron and formaldehyde releasing agent which help you to fulfil aspects of legislative and waste treatment requirements where applicable
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment.

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Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Colour	Visual		Light Yellow
Mineral oil content	Calculated	Wt%	0
Solution			
Appearance	Visual		Transparent
pH (5%)	DIN 51369 ASTM E70-97		9.4
Refractometer Factor			1.5

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	4 – 6%
General Machining	4 – 10%
Drilling	6 – 10%
Reaming	6 – 10%
Broaching	10 – 15%
Water range	0 - 400 ppm $CaCO_3$

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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