



Product Data

Syntilo MR 9930 BF

Synthetic Coolant

Description

Castrol Syntilo™ MR 9930 BF is a synthetic coolant formulated without mineral oil, boron and formaldehyde releasing agent for use as general purpose grinding and light to medium duty machining fluid for ferrous metals. Syntilo MR 9930 BF exhibits good anti-corrosion properties coupled with long system life.

It can be used in both single sump machines as well as central systems.

Application

Castrol Syntilo MR 9930 BF is developed for surface, cylindrical, double disk and centerless grinding. It is also recommended for milling, turning, boring and light drilling operation on cast iron and low carbon steel.

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

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Titanium Alloys	Tungsten Carbide
Grinding	ü ü	ü ü	ü			
Milling, Turning (General Machining)	ü ü	ü ü	ü			
Drilling	ü ü	ü				
Reaming, Tapping	ü ü	ü				
Broaching	ü					

Advantages

- Low foaming in all 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.
- Resistant to mycobacteria as tested by an independent laboratory under standard test conditions.

Typical Characteristics

	Test Method	Unit	Value
<u>Concentrate</u>			
Appearance	Visual		Light Yellow
Mineral oil content	Calculated	Wt%	0
<u>Solution</u>			
Appearance	Visual		Transparent
pH (3%)	DIN 51369 ASTM E70-97		9.5
Refractometer Factor			1.8

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	:	3 – 5%
General Machining	:	4 – 8%
Drilling	:	5 – 8%
Reaming	:	6 – 8%

Water range : 0 - 400 ppm CaCO₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines
Additives			ü	ü

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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06 Jun 2018

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>