



Product Data

Castrol Syntilo 464

Synthetic Cutting Fluid

Description

Castrol Syntilo™ 464 is a mineral oil free synthetic cutting fluid, which is formulated without boron and formaldehyde releasing agents. It forms a clear, stable solution in both hard and soft waters. Syntilo 464 exhibits good anti corrosion properties.

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

Application

Syntilo 464 is developed for grinding and light machining applications of ferrous alloys.

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

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

Advantages

- Low foaming in all water conditions to ensure continuous grinding performance.
- Formulated without formaldehyde releasing agent and boron which help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Settles chips quickly to help prevent grinding wheel build-up and maintain a clean working environment.

Typical Characteristics

Name	Method	Units	Syntilo 464
Density @ 15C	ASTM D4052; NFT 60-172	g/ml	1.03
pH	ASTM E70; NFT 60-193	pH	10.4
Appearance	BAM 300		hazy pale yellow
Refractometer Factor	Supplier	-	3.8

Recommended Concentrations

Grinding: 4-6%

General machining: 5-8%

Water range : 0 - 400 ppm CaCO₃

Castrol Syntilo 464

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

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

<http://msdspds.castrol.com>