



# Syntilo 2000

Synthetic coolant

## Description

Castrol Syntilo™ 2000 is a synthetic coolant, formulated without boron and formaldehyde releasing agents. It contains an additive package that helps to provide good corrosion protection to machine tools and parts. The fluid also provides excellent product stability which helps to lower the overall operational costs.

Syntilo 2000 is suitable for large central systems and single sump machines.

## Application

Syntilo 2000 is especially designed as a general purpose grinding, honing and medium to heavy duty machining fluid for ferrous materials.

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 alloy	Titanium alloy	Tungsten Carbide
Grinding	ü ü	ü ü	ü ü			
Milling, Turning (general machining)	ü ü	ü ü	ü ü		ü	
Drilling	ü ü	ü ü	ü		ü	
Reaming, Tapping	ü ü	ü	ü		ü	
Broaching	ü ü	ü	ü			

## Advantages

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

## Typical Characteristics

	Test Method	Units	Value
<b>Concentrate</b>			
Appearance	Visual		Yellow clear liquid
Mineral oil content	Calculated	Wt %	0
<b>Emulsion</b>			
Appearance	Visual		Transparent
pH (5%)	DIN 51369 ASTM E70-97		8.9
Refractometer factor			1.7

Subject to usual manufacturing tolerances.

## Recommended Concentrations

Grinding	4 – 6%
General Machining	5 – 7%
Drilling	6 – 8%
Reaming	6 – 10%
Broaching	6 – 10%

Water Range            10-300 ppm CaCO<sub>3</sub>

## 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 to the product safety data sheet.

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

<http://msdspds.castrol.com>