



## Product Data

# Castrol Syntilo 22

Synthetic Coolant

## Description

Castrol Syntilo™ 22 is a mineral oil free synthetic coolant especially developed for grinding application on ferrous metals, glass and ceramics. It forms a clear, stable solution in both hard and soft waters.

Castrol Syntilo 22 exhibits good anti-corrosion properties coupled with a high resistance to bacterial attack. It can be used in both single sump machines as well as central systems.

## Application

Castrol Syntilo 22 is developed for surface, cylindrical, double disk and centreless grinding. It is also recommended for light machining operation on ferrous metals and for grinding of glass and ceramics.

	Cast Iron	Low - Medium Alloyed Steel	Medium - High Stainless Steel	Aluminium Alloys	Magnesium Alloys	Yellow Metals
Grinding	√√	√	√			
Milling, Turning (general machining)	√	√				
Drilling						
Reaming, Tapping						
Broaching						

## Advantages

- Low foaming in all water conditions to ensure continuous grinding performance.
- Inhibits microbial growth to extend fluid life in central systems and individual sumps.
- Chlorine, phenol and nitrite free for environmental compliance.
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment.
- Being a true solution, it allows glass and ceramic swarf, generated during grinding to drop out quickly resulting in a much cleaner fluid and superior finish.

## Typical Characteristics

Name	Method	Units	Syntilo 22
CONCENTRATE			
Appearance	Visual	-	Transparent Yellow
Density at 15°C	DIN 51757, ASTM D 1298	kg/m <sup>3</sup>	1055
	Calculated	lbs/gal	8.784
Mineral Oil Content	Calculated	Vol%	0
SOLUTION			
Appearance	Visual	-	Transparent
pH (5%)	DIN 51361, ASTM E70-97	-	9.1
Factor Refractometer	-	-	2.7

## Recommended Concentrations

Grinding : 2 – 3%

Machining : 2 – 5%

Water range : 0 - 400 ppm CaCO<sub>3</sub>

## Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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