



# Syntilo 27

Synthetic coolant

## Description

Castrol Syntilo™ 27 is a mineral oil free synthetic coolant which has been developed for use as a general purpose grinding fluid for cast iron and ferrous metals. It forms a stable emulsion in both hard and soft waters. Syntilo 27 exhibits very good anti-corrosion properties coupled with a high resistance to bacterial attack. Syntilo 27 is suitable for large central systems as well as single sump machines.

## Application

Syntilo 27 is recommended for grinding and light duty machining of cast iron and steel. It is also suitable for ceramic grinding.

## Advantages

- Excellent lubrication properties to prolong tool life and enhance surface finish
- Low foaming in all water conditions to ensure continuous grinding performance
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Boron, chlorine, phenol and nitrite free for environmental compliance
- Maintains corrosion protection in hard water
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment

## Typical Characteristics

Name	Method	Units
Concentrate		
Appearance	Visual	
Density at 15 deg C	DIN 51757 ASTM D 1298	
	Calculated	lbs/gal
Mineral oil content	Calculated	Vol %
Emulsion		
Appearance	Visual	
pH (5%)	DIN 51361 ASTM E70-97	
Factor refractometer		

## Recommended Concentrations

Grinding : 2.5 - 5%  
 General Machining : 2.5 -10%

Water range : 20 - 300 ppm CaCO<sub>3</sub>

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09 Nov 2010

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