

# Castrol Syntilo 81 BF

Synthetic coolant

## Description

Castrol Syntilo™ 81 BF is a synthetic coolant which has been developed for use as a general purpose grinding fluid for ferrous metals. It forms a clear, stable solution in both hard and soft waters. Syntilo 81 BF exhibits very good anti-corrosion properties coupled with a high resistance to bacterial attack.

## Application

Syntilo 81 BF is developed for surface, cylindrical, double disk and centreless grinding

## 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
- Rejects tramp oil to the surface of the fluid for easy removal
- 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 Physical Characteristics

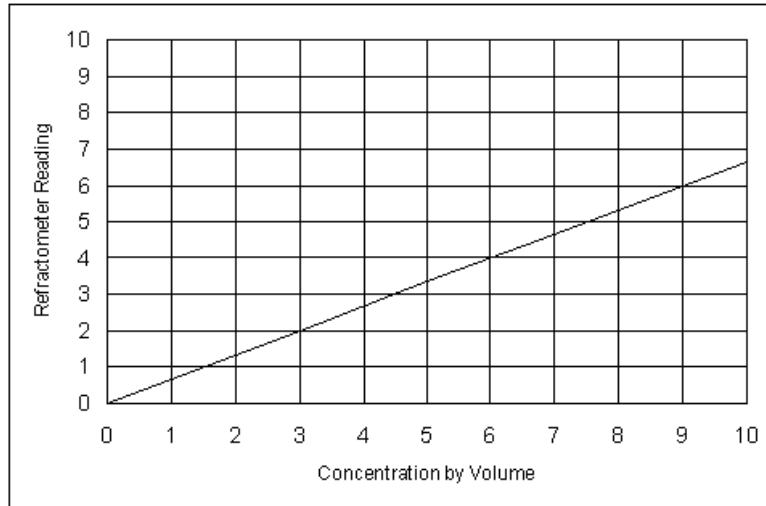
	Test Method	Unit	Value
<b>Concentrate</b>			
Appearance	Visual	Visual	Transparent, yellow
Density	DIN 51757 ASTM D 1298	Kg/m <sup>3</sup>	1.110 – 1.130
	Calculated	lbs/gal	9,38
Mineral oil content	Calculated	Vol. %	0
<b>Solution</b>			
Appearance	Visual	Visual	Transparent
pH-value (5%)	DIN 51361 ASTM E70-97		8.9-9.5
Factor refractometer			1,5

# Recommended Concentrations

Grinding: 3-5%

## Concentration Control

% Concentration	Refractometer Reading
3.0	2.00
5.0	3.33
7.0	4.67
10.0	6.67



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