



Product Data

## Syntilo 9918

High-Performance Synthetic Cutting and Grinding Fluid

### Description

Castrol Syntilo 9918 is an oil-rejecting synthetic cutting and grinding fluid for ferrous and non-ferrous metals. It provide pure machining performance in sever operations, such as threading. Syntilo 9918 produces minimal mist and generates little fluid carry-out, resulting in longer turnover rates and low product usage. It is ideal for the variety of metals found in general machining. Syntilo 9918 has a neutral pH, making it safe to use on aerospace alloys.

### Advantages

- Versatile fluid that can be used for a wide range of applications on various metals
- Neutral pH protects aluminum and other aerospace alloys and promotes strong operator acceptance
- Low foaming in all water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Stable fluid suitable for a wide range of water conditions
- Rejects tramp oils to the surface of the fluid for easy skimming
- Prevents bi-metallic corrosion and is safe to use in equipment with copper, brass or bronze components
- Settles chips quickly to maintain a clean working environment

### Typical Characteristics

Name	Method	Units	Value
Appearance of Concentrate	Visual	-	Clear yellow/amber fluid
Appearance of Dilution	Visual	-	Transparent fluid
pH of Dilution (@ 5%)	-	-	7.6
Specific Gravity (@ 60°F (16°C))	CN-TM-084	-	1.07
Bulk Density	-	lbs/gal	8.9
Chlorine	-	-	NO
Nitrites	-	-	NO
Phenols	-	-	NO

### Recommended Concentrations

Grinding: 4 - 6%

Machining: 4 - 10%

## Concentration Control

% Concentration	Refractometer Reading
3.0	1.8
5.0	3.0
7.0	4.2
10.0	6.0

## User Advice

Syntilo 9918 is recommended for machining and grinding of ferrous and non-ferrous alloys. Consult your Castrol Account Manager for questions regarding compatibility.

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BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470  
Telephone: +1-888-CASTROL Product Information: +1-877-641-1600  
[www.castrol.com/en\\_us/b2b/home.html](http://www.castrol.com/en_us/b2b/home.html)