



Product Data

Castrol 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 provides pure machining performance in severe operations such as threading. **Castrol 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. **Castrol Syntilo® 9918** has a neutral pH making it safe to use on aerospace alloys.

Performance Benefits

- 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

Metal Safety

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

Recommended Applications & Dilutions

Grinding: 3 – 6%
Machining: 4 – 10%

Typical Characteristics

Appearance of concentrate: Clear yellow/amber fluid
Appearance of dilution: Transparent fluid
pH of dilution @ 5%: 7.4 – 7.8
Specific gravity @ 60° F (16° C): 1.06 – 1.08
Bulk density (lbs/gal): 8.9
Chlorine: No

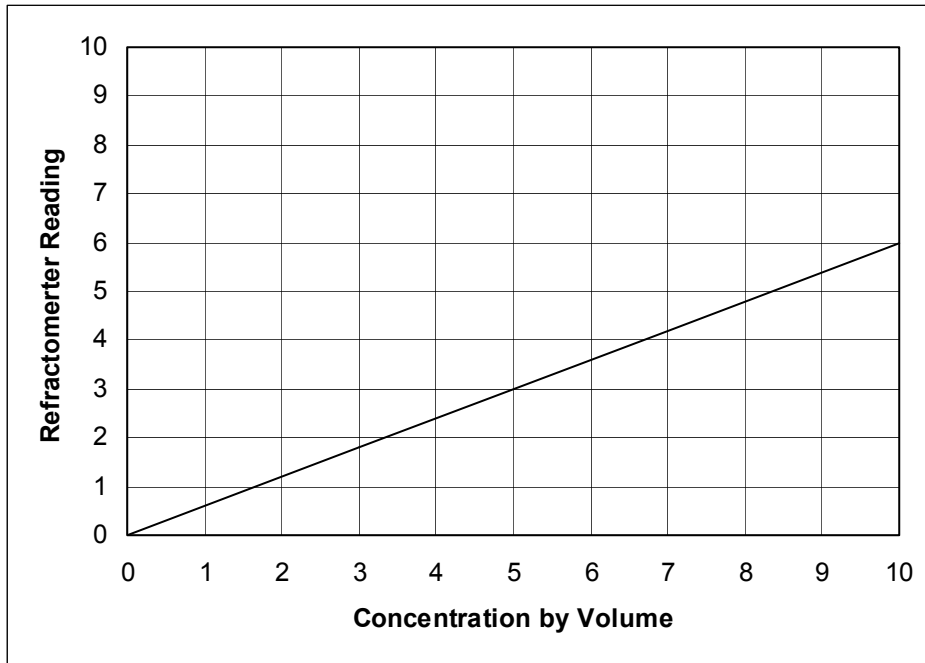


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Nitrites: No
Phenols: No

Concentration Control

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



All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial North America Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.