



Castrol Syntilo 9918

Synthetic coolant

Description

Castrol Syntilo™ 9918 is a pH-neutral synthetic coolant which has been developed for use as a grinding and heavy duty machining fluid for ferrous and non ferrous metals. Syntilo 9918 produces minimal mist and generates little fluid carry out, resulting in longer turnover rates and low product usage.

Application

Syntilo 9918 is recommended for grinding, honing, milling, turning, boring, drilling, and light tapping on ferrous and non ferrous alloys.

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Titanium Alloys	Tungsten Carbide
Grinding	» » »	» »	»			
Milling, Turning (General Machining)	» » »	» »	»			
Drilling	» » »	»				
Reaming, Tapping	» » »	»				
Broaching	» » »	»				

Advantages

- 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
- Rejects tramp oil to the surface of the fluid for easy removal
- Chlorine, phenol and nitrite free for environmental compliance
- Maintains corrosion protection in hard water
- Multi-metal product will perform on majority of machining and grinding applications

Typical Physical Characteristics

Daten	Testmethode	Einheit	Werte
Concentrate:			
Appearance	visual	-	transparent - yellow
Density at 20°C	DIN 51757	kg/m ³	1070
Mineral oil content	calculated	Wt.%	0
Solution:			
Appearance	visual	-	transparent
pH (3%ig)	DIN 51369	-	7,6
Concentration:			
Refractometer factor	-	-	1,7

Recommended Concentrations

Grinding: 4-6%
 General Machining: 4-10%

Water range: 2-20°dH

Recommended minimum concentration for Castrol Syntilo 9918 up to 4 % will effectively protect ferrous machine tool equipment.

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Others	Chlorine
Additives	„	-	-	„	„	-

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BP Europa SE, Geschäftsbereich Industrieschmierstoffe, Erkelenzer Str. 20, D-41179 Mönchengladbach
 Tel: +49 (0)2161 909-30 Fax: +49 (0)2161 909-400
 www.castrol.com