



Product Data

Castrol Product FP 0092 SC High performance semi-synthetic metalworking fluid

Description

Castrol Product FP 0092 SC is a semi synthetic metalworking fluid which is formulated without formaldehyde releasing agent and boron. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide good product stability and helps to lower the overall operations costs.

Castrol Product FP 0092 SC is suitable for large central systems and single sump machines.

Application

Product FP 0092 SC is especially designed for machining of cast iron and low-medium alloyed steel.

✓✓ suggested core application ✓ possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	✓✓	✓✓	✓✓			
Milling, Turning (general machining)	✓✓	✓✓	✓			
Drilling	✓✓	✓				
Reaming, Tapping	✓✓	✓				
Broaching	✓✓	✓				

Advantages

- Boron free for environmental compliance and improved residue characteristics
- Formaldehyde releasing agent free to fulfill your local legislation, waste treatment and environmental requirements
- Extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Good anti-corrosion properties to protect machine tools and parts
- Good wetting properties reduce coolant drag out and deliver clean machine tools and components

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	20
Emulsion			
Appearance	Visual		Translucent-Milky
pH (4%)	DIN 51369 ASTM E70-97		9.8
Refractometer Factor			1.7

Recommended Concentration

Grinding 4-6%
General Machining 5-10%

Water range 100-800 ppm CaCO₃

Storage and Handling

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

Castrol Product FP 0092 SC...
19/04/2021, version 1.0

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