



Product Data

Syntilo 225 R

High performance semi-synthetic metalworking fluid

Description

Castrol Syntilo™ 225 R is a high performance semi synthetic metalworking fluid which is chlorine free. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

Syntilo 225 R is suitable for large central systems and single sump machines.

Application

Syntilo 225 R is especially designed for machining of cast iron and grinding of low-medium alloyed steel.

	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						

- ◡ ◡ ◡ ◡ : core application
- ◡ ◡ ◡ : recommended application
- ◡ ◡ : suggested application; please consult Castrol representative

Advantages

- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Excellent anti-corrosion properties to protect machine tools and parts
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and component
- Stable fluid suitable for a wide range of water conditions

Typical Characteristics

Name	Method	Units	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	14
Emulsion			
Appearance	Visual		Translucent
pH (3%)	DIN 51389 ASTM E70-97		9.8
Refractometer factor			1.6

Recommended Concentrations

Grinding	3 - 5%
General Machining	4 - 6%
Water range	150 - 500 ppm CaCO ₃

Additional Information

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

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

Syntilo 225 R
31 Oct 2011
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