



## Syntilo 75 EF

Synthetic Coolant

### Description

Castrol Syntilo 75 EF is a mineral oil free, boron free synthetic coolant developed as a general purpose grinding and light to medium duty machining fluid for ferrous metals. It is machine friendly showing excellent compatibility to paint, elastomer and machine tool. It exhibits good anti-corrosion properties coupled with a high resistance to bacterial attack. It can be used in both single sump machines as well as central systems.

### Application

Castrol Syntilo 75 EF is developed for surface, cylinder, double disk and centreless grinding. It is also recommended for milling, drilling, turning and light machining of cast iron and alloy 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	→ →	→				

### Advantages

- Excellent compatibility with machine tools – non sticky, non aggressive to paints and superior corrosion protection
- Low foaming in all water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Reduced product usage due to low top requirements; excellent wetting properties reducing fluid drag out as well
- Chlorine, boron, phenol and nitrite free for environmental compliance

## Typical Characteristics

Name	Method	Units	Syntilo 75 EF
Density @ 15C, Relative	JIS K 2249	g/ml	0.996
Appearance	Visual	-	Slight yellow clear liquid
pH, Distilled Water (5%)	NFT 60-193	pH	10.0
Thermal Stability	BAM 162	-	Stable(48hr@50'C)
Foam, break time	Supplier	seconds	10@5%
Foam Test	IP 312 Modified	-	50
Total Base Number, TBN	JIS K 2501	mg KOH/g	80.0

## Recommended Concentrations

Grinding : 5 – 6%  
Machining : 5 – 10%  
Water range : 20 - 600 ppm CaCO<sub>3</sub>

## 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.

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