



Eni Fresia ESB 35

Eni Fresia ESB 35 is a multifunctional cutting oil formulated with synthetic ester for a more effective reduction of friction between the tool and the workplace.

Characteristics (typical figures):

Eni Fresia ESB 35	Method	Unit of Mesure	
Apperance			Clear, yellow
Viscosity at 40°C	ASTM D 445	mm ² /s	35
Flashpoint	ASTM D 92	°C	245
Pourpoint	ASTM D 6892-03	°C	-6
Density at 15°C	ASTM D 4052	kg/l	0,921
Copper corrosion	ASTM D 130		1a
%Ester			> 90%

Properties and Performance:

- Very low tendency to form mist
- Improvement of the workplace surface quality
- Increases tool life
- Suitable to replace mineral cutting oil with EP additives such as chlorine and sulfur in severe cutting operations
- High corrosion protection of the workpieces and the machine tool
- Biogradable cutting oil

Applications:

Eni Fresia ESB 35 is suitable for medium and severe cutting operations in particular for milling, turning, boring, tapping, gear cutting, shaving, slotting and broaching on alloy steel and stainless steel, on aluminium and its alloys, titanium and its alloys and yellow metals.

It is completely free of mineral oil, chlorine and sulfur. A carefully selected additives deliver high detergent, anti-wear, anti-mist and anti-oxidant properties.

Suitable for sawing, punching, for medium-light stamping operations and for minimal quantity lubrication.

Attention: Do NOT mix with chlorinated lubricants.

In case of topping up different products, its recommended to perform compatibility tests.

Further information on the product is available in our technical department. Please ask also for our seminars with the topic "Cooling lubricants"