



APPLICATIONS

Eni Fresia ESB 25 is a neat cutting oil formulated with synthetic ester for a more effective friction reduction between the tool and the workpiece.

It is completely free of chlorine and sulphur. A carefully selected additives deliver high detergent, antiwear, antimist and antioxidant properties.

Eni Fresia ESB 25 is particularly suitable for medium and severe cutting operations of milling, turning, boring, tapping, hobbing, slotting on alloy steel and stainless steel, on aluminium and its alloys, on titanium and its alloys and on yellow metals.

Suitable for minimal quantity lubrication (MQL).

CUSTOMER ADVANTAGES

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

SPECIFICATIONS - APPROVALS

- ISO 6743/7 MHE





CHARACTERISTICS

| Properties | Method | Unit | Typical |
|-------------------|-------------|--------------------|---------|
| Appearance | | - | limpid |
| Density at 15°C | ASTM D 4052 | kg/m ³ | 919 |
| Viscosity at 40°C | ASTM D 445 | mm ² /s | 25 |
| Flash point (COC) | ASTM D 92 | °C | 235 |
| Pour point | ASTM D 97 | °C | -12 |
| Copper corrosion | ASTM D 130 | - | 1a |

WARNINGS

- Do not mix the product with mineral cutting oils to avoid the decreasing of the product properties.
- Perform compatibility test in case of topping up of different product.
- Further information on the product are available on the Material Safety Data Sheet.

