

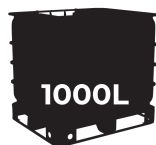
## METALTEC MIRACUT BIO 30

**Product Code:** NEAT073 | **Revision:** 20260421



A biodegradable & high-performance neat metalworking fluid.

### Available Pack Sizes



### Applications

An advanced, biodegradable, medium viscosity neat cutting oil based on ester technology, specifically formulated for heavy-duty machining operations. Produced from a blend of natural and synthetic esters, it offers an improved environmental profile and may help reduce disposal impact. Designed for high cutting performance, it utilises a chlorine-free, sulphurised extreme pressure (EP) system and is free from mineral oil and heavy metals. It promotes an excellent surface finish, while high lubricity helps extend tool life and improve machining efficiency. Suitable for use in minimum quantity lubrication (MQL) systems, ensuring economical lubricant consumption and eliminating fluid loss associated with flood coolant systems. The formulation provides excellent thermal stability and maintains performance under demanding cutting conditions, ensuring consistent results across a wide range of ferrous and non-ferrous materials. Carefully selected base oils and additives also minimise misting, helping to improve workplace air quality, support health and safety requirements, and enhance operator comfort and workpiece visibility.

Recommended by Aztec Oils as suitable for the following applications

Designed for heavy-duty operations, including use in minimum quantity lubrication (MQL) systems, it is suitable for general machining, sawing, turning, milling, thread cutting and broaching on both ferrous and non-ferrous materials.

### Benefits

- Compatible with automatic CNC machines.
- Exception tool life.
- Excellent results on a wide range of materials.
- Good surface finish and non-staining.
- Improved safety due to a higher flash point.
- Low odour, low misting and light colour for improved operability.
- Low viscosity for superb heat dissipation.
- Readily biodegradable.

### Typical Test Data

Appearance		Clear straw/light brown
Copper Corrosion (3h/100°C)	ASTM D130	1
Density @ 15°C (kg/m <sup>3</sup> )	ASTM D4052	0.92
Flash Point (°C)	ASTM D92	215
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	ASTM D445	28
Pour Point (°C)	ASTM D97	<-20

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

## Recommendations

- A Safety Data Sheet is available for consultation at [www.aztecoils.co.uk](http://www.aztecoils.co.uk).
- Before using the product, it is advised to consult the Metal Working Fluids section of the Government HSE website.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

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