

## METALTEC MIRACUT BIO 10

**Product Code:** NEAT055 | **Revision:** 20240821



A biodegradable & high performance general-purpose neat metal working fluid.

### Available Pack Sizes



### Applications

An advanced low viscosity neat cutting oil based on biodegradable ester technology. A blend of natural and synthetic ester provides an improved environmental profile that can help to reduce disposal costs. Carefully formulated to deliver excellent cutting performance utilising a chlorine free extreme pressure additive system whilst also being free from mineral oil and heavy metals. The low viscosity allows the oil to access the cutting edge and deliver an excellent surface finish while the high-performance lubricity additives help to reduce wear and extend tool life. Careful selection of base oils and additives produces a low mist cutting oil which complies with latest Health and Safety requirements and improves work piece visibility.

### Recommended by Aztec Oils as suitable for the following applications

Designed for medium duty operations. It can be used for stamping, grinding, turning, milling, drilling and general machining 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.
- 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	0.91
Flash Point (°C)	ASTM D92	195
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	ASTM D445	10
Pour Point (°C)	ASTM D97	-10

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

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.



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