

## METALTEC MIRACOOOL 101 NP

**Product Code:** SOL048 | **Revision:** 20230718



A general-purpose milky soluble metal working fluid.

### Available Pack Sizes



### Applications

A general-purpose soluble metalworking fluid, containing a high mineral oil content. Developed to enhance machining operations with superb lubricity to improve surface finish and provide good resistance against corrosion on machined parts and the machine surfaces. Highly resistant to fungus and bacteria with excellent product stability to provide a longer operating time and reduce costs. Particularly suitable for the machining of brass, copper, aluminium alloys, mild and stainless steels in central systems or single sump machines. Updated formulation to improve mixing.

### Benefits

- Enhanced mixing capabilities.
- Excellent corrosion protection.
- Formaldehyde, boron, chlorine & nitrite free.
- Improves machine tool cleanliness & surface finish.
- Low foaming & prevents scum formation.
- Resists fungal & bacterial corrosion.
- Versatility for multi-metal operations.

Application Suitability: ✓✓✓ Best | ✓✓ Better | ✓ Good | Please contact us if unsure

	Cast Iron	Alloyed Steel	Stainless Steel	Aluminium Alloys	Yellow Metals
Broaching	✓	✓✓	✓✓	✓	✓
General Machining	✓	✓✓	✓✓	✓✓	✓
Grinding	✓	✓✓	✓✓	✓	✓
Reaming & Tapping	✓	✓✓	✓✓	✓	✓
Drilling	✓	✓✓	✓✓	✓✓	✓

### Typical Test Data

Appearance (neat)	Amber/Brown
Apperance (emulsion)	Opaque/Milky
Corrosion Test - I.P287 (%)	<4.0
pH (5%)	9.2
Refractive Index	1.0

### Dilution Ratios

Broaching	8-12%
Drilling	6-10%
General Machining	5-8%
Grinding	5-7%
Reaming & Tapping	6-10%
Water Hardness (CaCO <sub>3</sub> )	50-500ppm

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

Always add oil-to-water to avoid an adhesive invert emulsion which does not emulsify properly in water.

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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