

## MIRACOOOL NP (Export)

**Product Code:** SOL006 | **Revision:** 20231101



A general-purpose milky soluble metal working fluid.

### Available Pack Sizes

### Applications

A general purpose soluble metalworking fluid, containing a high mineral oil content. Formulated to enhance machining operations with superb lubricity to improve surface finish and lower operating costs by providing excellent product stability, protection against corrosion and bacterial resistance. Particularly suitable for the machining of brass, steel, stainless steel and aluminium alloys in central systems or single sump machines.

### Benefits

- Excellent corrosion protection.
- Formaldehyde, boron, chlorine and nitrite free.
- Improves machine tool cleanliness and surface finish.
- Low foaming/scum formation.
- Resists fungal and 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	Magnesium Alloys
Broaching	✓	✓✓	✓✓	✓	✓
Drilling	✓	✓✓	✓✓	✓✓	✓
General Machining	✓	✓✓	✓✓	✓✓	✓
Grinding	✓	✓✓	✓✓	✓	✓
Reaming & Tapping	✓	✓✓	✓✓	✓	✓

### 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

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

### 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

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

### Recommendations

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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## 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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