

## linelube Soluble Cutting Oil Miracool NP

### Product Description

A high performance, general purpose, soluble metalworking fluid. Formulated to enhance machining operations, improve surface finish and lower operating costs by providing excellent product stability and bacterial resistance.

### Features & Benefits

- Formaldehyde, boron, chlorine and nitrite free
- Excellent corrosion protection
- Low foaming/scum formation
- Resists fungal and bacterial corrosion
- Improves machine tool cleanliness and surface finish
- Versatility for multi-metal operations
- Improves machine tool cleanliness and surface finish

### Applications

Particularly suitable for the machining of steel, stainless steel and aluminium alloys in a central systems or single sump machines.

### Specifications

#### Water Range 50 – 500 ppm CaCO<sub>3</sub>

Broaching	8-12%
Drilling	6-10%
General Machining	5-8%
Grinding	5-7%
Reaming & Tapping	6-10%

### Typical Test Data

Appearance (neat)	Amber / Brown
Appearance (emulsion)	Opaque / Milky
Corrosion Test I.P.287 (%)	< 4.0
pH (5%)	9.2
Refractive Index	1.0

## Application Suitability

✓ ✓ ✓ **Best** | ✓✓ **Better** | ✓ **Good** | **Please contact us if unsure**

	Cast Iron	Low-medium alloyed steel	High alloyed – stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	✓	✓✓	✓✓	✓		
General Machining	✓	✓✓	✓✓	✓✓		✓
Drilling	✓	✓✓	✓✓	✓✓		✓
Reaming, Tapping	✓	✓✓	✓✓	✓		✓
Broaching	✓	✓✓	✓✓	✓		✓

## Health & Safety

For health and safety information please refer to the relevant health & safety data sheet on our website. The contents of this data sheet are given in good faith but without warranty.