

## METALTEC MIRACOOOL 203 SM

**Product Code:** SOL034 | **Revision:** 20240514



A high performance semi synthetic soluble metal working fluid.

### Available Pack Sizes

20L

205L

### Applications

A high performance, semi synthetic metalworking fluid utilising a medium oil content and high-performance chlorine free lubricity additives combine to provide superb machining performance in a wide range of applications, with a wide range of metals. Carefully formulated for use in hard water areas providing a robust coolant that will give excellent service life in even the most challenging conditions.

### Benefits

- Formaldehyde, boron, chlorine and nitrite free.
- Improves machine tool cleanliness and surface finish.
- Long fluid life reduces machine downtime.
- Low foam in recommended water conditions.
- Protects machine tools and parts.
- Resists fungal and bacterial corrosion.
- Suitable for ferrous, non-ferrous and soft metals.

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

|                   | Alloyed Steel | Stainless Steel | Aluminium Alloys | Yellow Metals |
|-------------------|---------------|-----------------|------------------|---------------|
| Broaching         | ✓✓            | ✓✓              | ✓✓               | ✓             |
| Drilling          | ✓✓            | ✓✓              | ✓✓               | ✓✓            |
| General Machining | ✓✓            | ✓✓              | ✓✓               | ✓✓            |
| Reaming & Tapping | ✓✓            | ✓✓              | ✓✓               | ✓✓            |

| Typical Test Data           |                          | Dilution Ratios                     |            |
|-----------------------------|--------------------------|-------------------------------------|------------|
| Appearance (neat)           | Straw/light brown liquid | Deep Hole Drilling                  | 8-10%      |
| Apperance (emulsion)        | Semi translucent         | Drilling                            | 5-6%       |
| Corrosion Test - I.P287 (%) | 2.0                      | Reaming                             | 7-10%      |
| pH (5%)                     | 9.4                      | Tapping & Threading                 | 5-7%       |
| Refractive Index            | 1.3                      | Turning & Milling                   | 5-6%       |
|                             |                          | Water Hardness (CaCO <sub>3</sub> ) | 200-800ppm |

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 the concentrate (oil) to water to ensure that the emulsion is formed correctly. Never add water to concentrate, as this can cause an invert emulsion.

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.



# AZTEC OILS

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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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