

METALTEC MIRACOOOL 205 HW

Product Code: SOL038 | **Revision:** 20240514



A multipurpose semi synthetic soluble metal working fluid.

Available Pack Sizes

20L

205L

Applications

A high-performance, semi-synthetic metalworking fluid formulated to enhance machining operations and improve surface finish while lowering operating costs. It provides excellent product stability and resistance to microbial infection. Compatible with a wide range of materials it has been specifically designed for use on tough aluminium and ferrous alloys.

Benefits

- Excellent emulsion stability in hard water.
- Formaldehyde, chlorine and nitrite free.
- Long fluid life reduces machine downtime.
- Resists fungal and bacterial corrosion.
- Superior corrosion prevention protects machine tools and parts.
- 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	✓✓			✓	✓
Drilling	✓✓	✓✓	✓✓	✓✓	✓✓
General Machining	✓✓	✓✓✓	✓✓	✓✓✓	✓✓
Grinding	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓
Reaming & Tapping	✓✓	✓✓	✓	✓✓	✓

Typical Test Data		Dilution Ratios	
Appearance (neat)	Light amber	Drilling & Milling	5-8%
Apperance (emulsion)	Semi translucent	General Machining	5-8%
Corrosion Test - I.P287 (%)	2.0	Grinding	3-5%
pH (5%)	9.4	Tapping & Threading	7-10%
Refractive Index	1.0	Water Hardness (CaCO ₃)	200-1000ppm

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.

Recommendations

- A Safety Data Sheet is available for consultation at 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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