

METALTEC MIRACOOOL 204 HP

Product Code: SOL039 | **Revision:** 20251029



Multipurpose & low-oil content semi-synthetic soluble metalworking fluid, particularly suited to machining cast iron.

Available Pack Sizes



Applications

A semi-synthetic, multipurpose metalworking fluid expertly formulated for machining cast iron while remaining compatible with a wide range of metals. This hard-working, low-oil content soluble cutting fluid provides extended service life, excellent corrosion protection and low foaming in varying water conditions. Free from formaldehyde, chlorine and nitrites, it ensures a cleaner, safer working environment. The formulation enhances machine tool cleanliness and surface finish, minimises graphite dust and protects both tools and machined parts from corrosion. Highly resistant to fungal and bacterial contamination, it offers long fluid life, reduced machine downtime and consistent performance across multi-metal machining operations.

Benefits

- Formaldehyde, chlorine & nitrite free.
- Improves machine tool cleanliness & surface finish.
- Long fluid life reduces machine downtime.
- Low foam in recommended water conditions.
- Minimises graphite dust.
- Protects machine tools & parts.
- 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	✓✓✓	✓	✓	✓	✓
Drilling	✓✓✓	✓✓	✓	✓	✓
General Machining	✓✓✓	✓✓	✓	✓✓	✓
Reaming & Tapping	✓✓✓	✓	✓	✓	✓

Typical Test Data	
Appearance (neat)	Light amber
Appearance (emulsion)	Translucent
Corrosion Test - I.P287 (%)	<3.0
pH (5%)	9.4
Refractometer Conversion Factor	2.0

Dilution Ratios	
Drilling & Milling	5-8%
General Machining	5-8%
Grinding	3-5%
Water Hardness (CaCO ₃)	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 oil concentrate to water to ensure proper emulsion formation. Do not add water to the concentrate, this may 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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