

Product code: 8103

Sector: Industrial

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Millcool EP

Millcool EP is a semi-synthetic, formaldehyde-free metalworking fluid designed for very arduous applications where extreme-pressure (EP) additives are required.

Features & Benefits

- Low-foaming formulation provides consistent lubrication and heat removal.
- EP additives ensure excellent cutting performance and surface finish even in very arduous applications.
- Robust formulation extends sump life, resulting in economical fluid consumption and reduced downtime.
- Formaldehyde-free, ensuring minimised hazard labelling for operator safety and audit compliance.

Application

Millcool EP is formulated for arduous, tough machining operations, including deep hole drilling, reaming and heavy-duty turning, where extreme-pressure performance is essential. It performs reliably across a range of water qualities, making it suitable for demanding machine shop environments running steel and aluminium components.

Material Suitability:

- Ferrous Alloys (Steel)
- Aluminium Alloys
- Yellow Metals

Machining Operations & Recommended Dilution Rate:

Operation	Recommended Dilution Rate
Turning, Milling & Drilling	4-6%
Tapping & Threading	5-7%
Reaming & Deep Hole Drilling	7-10%
Grinding Operations	3-5%

Typical Characteristics

Emulsion appearance	Semi-translucent
pH at 5% in distilled water	9.4
IP 287 Corrosion break point	2.5%
Refractometer correction factor	1.0
Water hardness limit	100-300ppm