

TECHNICAL DATA SHEET



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Millcool 20

Millcool 20 is a biostable, semi synthetic cutting fluid engineered for demanding multi metal machine shop environments, combining strong corrosion protection with excellent biological stability and low foaming performance.

Features & Benefits

- Forms a clear, stable micro emulsion in most water types, keeping performance consistent across varying site conditions
- Highly resistant to bacterial and fungal attack, so the sump stays free of bad odours and slimy residue over extended use
- Strong corrosion inhibition across a wide range of ferrous metals protects both the workpiece and machine components, with good resistance to contact corrosion allowing parts to be stacked without staining
- Effective against staining on non-ferrous metals, including copper and its alloys and aluminium and its alloys, supporting multi metal machining
- Nonphenolic, formaldehyde free and nitrite free, for optimum operator acceptability
- Low foaming and fully compatible with machine tool components, supporting reliable long-term performance

Application

Millcool 20 is suited to turning, milling, sawing, drilling and screw cutting operations across mixed ferrous and non-ferrous machine shops.

Material Suitability:

- Ferrous Alloys
- Aluminium Alloys
- Yellow Metals

Machining Operations & Recommended Dilution Rate:

Operation	Recommended Dilution Rate
Turning, Milling & Screwing	3-6%
Drilling & Cutting	4-8%

Typical Characteristics

Emulsion appearance	Semi-translucent
pH at 5% in distilled water	9.3
IP 287 Corrosion break point	1.5%
Refractometer correction factor	1.26
Water hardness limit	100-400ppm