

TECHNICAL DATA SHEET

CALCOOL S4

Code 7801

High Performance Soluble Metal Working Fluid

DESCRIPTION

Callington Calcool S4 is a high performance, chlorinated soluble metalworking fluid. It has been formulated to provide excellent machining performance and surface finish using a unique blend of extreme pressure additives and corrosion inhibitors.

The product provides excellent product stability and bio resistance to provide consistent process operation at a reasonable cost.

FEATURES & BENEFITS

- Versatility, multi metal compatible and suitable for use in a range of machining operations
- Ideal for small to medium workshops, offers potential for product rationalisation
- Stable, low scumming performance in hard water environments, providing cleaner working conditions
- Low foam performance in soft water conditions, eliminating use of antifoams and reducing maintenance costs.
- Effective biocide system, to prevent bacterial degradation, and extend coolant life



APPLICATION

Callington Calcool S4 is a general-purpose EP soluble coolant formulated to meet the requirements of a wide range of machining applications, including general machining, drilling, reaming, and tapping.

Callington Calcool S4 is suitable for machining cast iron, ferrous alloys, and non-ferrous alloys including aluminium alloys.

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RECOMMENDED DILUTIONS

Material	Cast Iron	Low-Medium Alloy Steel	Stainless Steel	Aluminium Alloys	Yellow Metals
Operation	4%	4%	4%	4%	4%
Grinding					
Milling	4%	4%	4%	6%	6%
Turning					
Boring					
Drilling	4%	4 - 6%	5 - 6%	4 - 8%	4 - 8%
Deep Hole Drilling					
Reaming	7%	7%	7%	8%	8%
Tapping					

TYPICAL DATA (note: data is typical and does not constitute a specification)

Concentrate	Test Method	Typical Result
Appearance	Visual	Amber Fluid
Density @ 30°C	DIN 51757/ASTM D1298	0.89
Emulsion		
Appearance	Visual	Milky, White
pH5%	DIN 51361/ASTM E70-97	9.35
Refractometer Factor		1

ORDERING INFORMATION

Product Code	Packaging
7801/51	20 litres
7801/64	200 litres

STORAGE

Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, and avoid direct sunlight. Indoor storage is preferable.

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