

TECHNICAL DATA SHEET

SYN 85

Premium Synthetic Metalworking Coolant

Code 7138

DESCRIPTION

Callington SYN 85 is a neutral pH synthetic metalworking fluid developed for heavy-duty machining ferrous and non-ferrous materials. SYN 85 combines a unique combination of surfactants and lubricity additives which provide excellent lubrication, in addition to superior cleanliness and cooling properties.

FEATURES & BENEFITS

- Excellent surface finish and extended tool life, even in difficult operations
- Neutral pH therefore low skin irritation potential, means excellent operator acceptance
- Can be used on both aluminium and ferrous materials, offering manufacturing flexibility
- Excellent wetting properties, reducing “drag out” and product usage
- Exceptional product stability and long coolant life means lower process costs
- Non-staining to aluminium and its alloys
- Low foaming characteristics even in modern high-pressure machines
- Excellent tramp oil rejection means cleaner machines and components



APPLICATION

Callington SYN 85 is recommended for grinding, general machining, and difficult machining operations on aluminium and aluminium alloys, and ferrous alloys, including tapping, boring, drilling, milling, and turning.

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RECOMMENDED DILUTIONS

Material Operation	Aluminium and Aluminium alloys	Carbon Steel	Alloy Steels
Grinding	6-8%	6-8%	6-8%
Turning			
Drilling			
Heavy Duty Milling			
Tapping	8-10%	8-10%	8-10%

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

Concentrate	Test Method	Typical Result
Appearance	Visual	Clear Yellow Fluid
Density @30C	DIN 51757/ASTM D1298	1.05
Emulsion		
Appearance	Visual	Clear, Colourless
pH5%	DIN 51361/ASTM E70-97	7.4-7.8
Refractometer Factor		1.7

ORDERING INFORMATION

Product Code	Packaging
7138/51/IND	20 litres
7138/64/IND	200 litres

STORAGE

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

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