Product Information:

SUPERCUT G

HIGH OIL, ESTER FORTIFIED, SEMI-SYTHETIC WATER SOLUBLE COOLANT

Description

Supercut G is a highly sophisticated semi-synthetic micro-emulsion cutting fluid incorporating the latest in performance additive technology. Supercut G has a high oil content and incorporates synthetic esters and other chlorine free extreme pressure additives to ensure it has a high degree of lubricity and excellent machining performance. Supercut G has been developed specifically for use with the more difficult to machine alloys and aluminium. It is, therefore, an excellent product for workshop rationalisation and is particularly suited to modern CNC machining centres.

Features

- Multi-metal compatibility including steels, brasses and most aluminium alloys
- Ester fortified semi-synthetic formulation
- Free from nitrites, phenols, triazine or chlorinated additives
- Enhanced bacterial, fungal and tramp oil tolerance
- Non-staining to aerospace alloys
- Extended sump life
- Low foaming
- Excellent surface finishing

Applications

Typical areas of application are turning, milling, drilling, threading, boring, deep hole drilling and reaming (including Maple reaming) on aluminium and difficult to machine alloys.

General Machining Concentration:	3 - 4% typical
Stainless Steels:	4 - 6% typical
Aluminium Alloys:	4 - 7% typical
High Speed Machining Concentration:	4 - 5% typical
Hardened Steels:	5 – 7% typical
Internal Tapping, Thread Rolling,	Medium tensile steels 5 – 7%
Deep Hole Drilling, Boring,	Stainless steels, Aluminium alloys 5 – 8%
Reaming, Tapping	High tensile, Stainless steels 6 – 10%
	Aluminium alloys 6 – 8%
Non Critical Grinding Concentration:	2.5 – 3% typical

Physical Characteristics

Appearance (neat)	Amber Liquid
Relative Density @ 15.6°C	0.970
Emulsion Appearance (3%in 2000ppm water)	Translucent pale amber liquid
pH @ 25°C (3% aqueous)	9.30
IP 287 Rust Prevention Characteristics (200ppm water)	1.7% (60:1)
Foaming Tendency (3% in 200ppm water)	< 20 secs collapse time

Figures based on average production values

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