



Product Information:

SUPERCUT 6000

HIGH OIL, EXTREME PRESSURE, SEMI-SYNTHETIC WATER SOLUBLE COOLANT

Description

Supercut 6000 has been developed to supply the modern machine workshop with a single versatile product to cope with a wide range of machining operations. Its excellent lubricity handles slow speed and high-pressure operations, whilst its superior level of Extreme Pressure additives permits the use of high-speed CNC machining of tough alloys. Supercut 6000 does not contain formaldehyde-based biocides and is nitrite and phenol free. Combined with good housekeeping practices Supercut 6000 offers exceptional resistance to bacterial and fungal degradation leading to extended sump life.

Supercut 6000 possesses first class inhibition to ferrous corrosion and aluminium stain formation. The product readily dilutes in all water qualities to form a fine, low odour, light brown transparent emulsion, which resists the incorporation of tramp oils.

Features

- Multi Metal Compatibility
- High Level of Extreme Pressure and Lubricity Additives
- Exceptional Resistance to Bacterial Degradation
- Excellent Cooling Power
- Extended Sump Life
- Free from Formaldehyde-Release Biocides

Applications

Capable for high speed CNC and FMS machining cells, multi-metal compatibility including stainless steels and work hardening alloys.

General Machining Concentration: 3 - 4% typical

High Speed CNC Concentration: 4 - 5% typical

Medium Speed Concentration: 5 - 6% typical

Physical Characteristics

Appearance (neat)	Amber Liquid
Relative Density @ 15.6°C	0.996
Emulsion Appearance (3%in 200ppm water)	Translucent pale amber liquid
pH @ 25°C (5% aqueous)	9.40
IP 287 Rust Prevention Characteristics (200ppm water)	2% (50:1)
Foaming Tendency (5% in 200ppm water)	< 20 secs collapse time

Figures based on average production values

Refractometer concentration conversion

Concentration %vol	1.0	2.0	3.0	4.0	5.0	6.0	8.0	10.0
Refractometer %brix	1.1	2.3	3.2	4.2	5.1	6.0	7.8	9.7

Part No.S: SXL025, SXL205

(TDS Supercut 6000 – 190620 Issue 4)

