

Product Information:
SUPERCUT 2000
CNC MACHINING WATER SOLUBLE COOLANT



Description

Supercut 2000 an extreme pressure, micro-emulsion metal working fluid suitable for all general machining operations on ferrous materials up to and including high carbon steels and most stainless steels. Also inhibited for use on brasses and cuprous and aluminum alloys. The product readily dilutes to give a fine micro-emulsion in all water qualities, with an inherent ability to resist bacterial degradation and the intrusion of tramp oils.

Supercut 2000 has good de-foaming characteristics and free rinsing properties. It may also be employed for non-critical grinding operations, thereby allowing workshop rationalization where a single coolant is desirable.

Features

- Extreme Pressure Performance
- Excellent Corrosion Protection
- Multi-metal Capability
- Resists Tramp Oil
- Extended Sump Life
- Resists Bacterial Degradation
- Free from Formaldehyde Release Biocides

Applications

High speed cutting, fine machining, non-critical grinding, free machining alloys, high carbon steels and non-ferrous materials, ferrous materials.

General & High Speed Machining Concentration: 3 - 5% typical
 Non-Critical Grinding: 2 - 3 % typical
 Sawing Concentration: 9 - 10% typical

Higher concentrations of up to 10% may be employed for more arduous applications.

Physical Characteristics

Appearance (neat)	Green/Blue Liquid
Relative Density @ 15.6°C	1.024
Emulsion Appearance (5%in 200ppm water)	Transparent Green/Blue liquid
pH @ 25°C (5% aqueous)	9.2
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	0.9	1.7	2.6	3.5	4.2	4.9	6.5	7.9

Part No.S: SEP025, SEP205

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