

Product Information:
SUPERCUT 3000
MICRO EMULSION WATER SOLUBLE COOLANT

Description

Supercut 3000 is a micro-emulsion metalworking fluid that is readily miscible with most mains water producing a transparent blue emulsion that is suited to a wide variety of applications. Supercut 3000 is a relatively low oil content product, is low foaming, offers excellent workpiece visibility and extended sump life.

Supercut 3000 is non-staining to ferrous and non-ferrous materials which enables it to be used on a wide variety of alloys which include ferrous metals up to and including medium tensile and high carbon steels, cuprous alloys and cast iron. It is particularly suited to modern CNC machining centres.

Features

- Multi-Metal Capability
- Excellent Lubricity
- Chlorine Free
- Extended Sump Life
- Resistant to Bacterial Degradation
- Low Oil Content
- Low Foaming
- Free from Formaldehyde Release Biocides

Applications

General machining of free machining metals. High speed/fine machining of high carbon steels, cast iron and non-ferrous materials. Also suitable for non-critical grinding of both ferrous and non-ferrous materials.

General Machining Concentration: 4 - 6% typical
 High Speed Machining Concentration: 4 - 7% typical
 Grinding Concentration: 2.5 - 4% typical

Physical Characteristics

Appearance (neat)	Green /Blue Liquid
Relative Density @ 15.6°C	0.999
Emulsion Appearance (5%in 200ppm water)	Transparent Green/Blue liquid
pH @ 25°C (5% aqueous)	8.80
IP 287 Rust Prevention Characteristics (200ppm water)	(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	1.8	2.5	3.5	4.3	5.4	6.9	8.3