

Product Information:

SUPERCUT 1000

HIGH OIL CONTENT WATER SOLUBLE COOLANT

Description

Supercut 1000 is a high oil containing water-soluble, Boron-Free metalworking fluid manufactured from high quality paraffinic base oils with added preservatives, lubricity and anti-corrosion additives.

The product is readily miscible with most mains water to form a stable, rich, milky white emulsion of low odour and good corrosion protection and is designed to give improved sump life over competitive traditional milky soluble oils. Supercut 1000 is non-staining to both ferrous and non-ferrous alloys and may be used in a wide variety of applications e.g. turning (including light automatic work), milling, drilling, boring and shaping.

Features

- Chlorine / Phenol / Boron / Nitrite Free
- Low Odour
- Economical
- Good Corrosion Protection
- Free from Formaldehyde Release Biocides

Applications

General Machining, free machining metals, non-critical grinding, ferrous and non-ferrous alloys.

General Machining Concentration: 5% typical

Ferrous Grinding Concentration: 3% typical

Higher concentrations of up to 10% may be employed for more arduous applications., but other products in the range may prove more suitable.

Physical Characteristics

Appearance (neat)	Amber liquid
Relative Density @ 15.6°C	0.904
Emulsion Appearance (5%in 200ppm water)	Milky White liquid
pH @ 25°C (5% aqueous)	9.5
IP 287 Rust Prevention Characteristics (200ppm water)	3% (33:1)
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	1.9	2.6	3.8	4.4	4.9	5.9	7.3	9.4