



Product Information:

# SUPERSAW

## HIGH OIL, SEMI-SYNTHETIC WATER-SOLUBLE SAWING FLUID

### Description

Supersaw is a micro-emulsion, biocide protected, water soluble cutting fluid. It forms a very stable emulsion, even with hard water, and incorporates extreme pressure additives for enhanced cutting performance. This product is free from nitrite, phenol, cresols, sulphur additives, silicones and triazines and possesses excellent inhibition against ferrous corrosion. Supersaw is suitable to use for the machining and sawing of all ferrous and most non-ferrous metals. It is non-staining on most cuprous and aluminium alloys.

### Features

- All round corrosion inhibition
- Excellent hard water stability
- Multi-metal capability
- High oil content offering excellent lubricity
- Non-staining on copper
- Incorporates preservatives for longer life
- Does not contain formaldehyde-release biocides

### Areas of Application

**Machining:** Supersaw is a versatile coolant. Its balance of EP and high oil properties make it a fluid which can machine stainless and high tensile materials at high speeds or under lower speed high pressure regimes.

**Sawing:** Advanced extreme pressure properties ensure Supersaw is the correct choice for band, segmental and circular saws.

As a flood coolant, optimum concentration will be dependent upon specific machining operations and to a certain extent, the water quality. As a general guide the following dilutions are recommended:

General Machining	3.0 - 4.0%
High Speed Machining	4.0 - 6.0%
Sawing	9.0 - 10.0%

### Physical Characteristics

Appearance (neat)	Amber liquid
Relative Density @ 15.6°C	0.993
Emulsion Appearance (5%in 350ppm water)	Semi-translucent liquid
pH @ 25°C (3% aqueous)	9.25
IP 287 Corrosion break point (200ppm water)	2.5% (40:1)
Foaming Tendency (5% in 200ppm water)	< 20 secs collapse time

Figures based on average production values

### Refractometer concentration conversion

Concentration %vol	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
Refractometer %brix	3.4	4.3	5.4	6.4	7.3	8.3	9.3	10.3	11.3	12.2

Part No.s: EPF005, EPF025, EPF205

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