



## TECHNICAL DATA

### Maxsyn SLF

Maxsyn SLF is a multipurpose, semi synthetic water-soluble cutting and grinding fluid. It is a long life fluid, formulated for high performance on difficult machining operations with low staining characteristics on aluminium alloys. Primarily designed to give ultra low foam performance in applications where the coolant is delivered at high pressure

### Typical Applications

Turning, milling, drilling, threading, boring, deep-hole drilling, reaming and creep feed grinding.

### Features

For use on all ferrous alloys, cast irons, aluminium alloys, Inconel and other high spec alloys.

Maxsyn SLF may also be used on oil resistant plastics and other non ferrous materials.

Compatible with most water sources, but best performance is achieved between 50 and 400 ppm Calcium Carbonate.

Low foaming tendency, suitable for use low and high pressure CNC systems

Free from Triazine, Chlorine, Sulphur, Phosphorus, Sodium Nitrite, Phenols, Silicon Defoamers and Colouring Dyes

### Concentration

General machining	5-6 %
Thread cutting and forming	6-8 %
Deep hole drilling, boring, tapping	6-8 %
Reaming	6-10 %
Grinding, Creep feed grinding	3-10 %

### Typical Physical Characteristics

Concentrate	
Appearance	Amber fluid
Density @ 15C	0.970
Mineral Oil Content	50 %
Emulsion	
Appearance	Semi-Translucent
PH @ 3%	9.4
Corrosion Test (IP287)	2.0 %
Defoam ml (3% in 50ppm water)	Nil (30secs)
Refractometer Factor	1.0
Product Code	23541

The product should be stored under cover and protected from extreme temperatures (below 10°C and above 30°C). Avoid water collecting in the rim of upturned barrels. Maxsyn SLF has a shelf of 6 months from the date of supply.

Rev:B/12