



TECHNICAL DATA SHEET

Coolant CI-30

Description

Semi synthetic, water miscible, metalworking fluid concentrate that produces a stable micro emulsion for use in all waters with extremely long life.

Chlorine-free, boron-free, formaldehyde-free, sensitizer-free.

Coolant CI-30 is suitable for machining cast iron, steel, stainless steel, Aluminium alloys and titanium.

The product is low-staining to sensitive aluminium alloys, if most of work is aluminium we recommend our inhibited CI-30-AI.

Key Benefits

- Ultra Long Sump Life
- Improved Tool Life
- Highly Stable Micro-Emulsion
- Operator Friendly
- Excellent Corrosion Protection
- Low Foam in soft water.
- Reduced Sticky Deposits
- Less Product Loss due to Draw-Out

Typical Applications

- | | |
|---|------|
| • General Machining | 5-6% |
| • Grinding: - cylindrical, centreless, surface. | 5% |
| • Milling and threading | 5-7% |

Typical Data

Concentrate

Appearance	Amber Fluid
Specific Gravity	~0.95
Ester Content %	>10

Emulsion

Appearance	Amber
pH at 5%	9 – 9.8
IP287 pass at %	2.0
Refractometer Factor	1.4

Emulsion Type

- Micro-emulsion
- Ester lubricity additives
- Chlorine-free EP additives.

Compatibility

- Ferrous metals including stainless steel, and cast iron.
- Inconel and other high spec alloys
- Aluminium alloys
- Titanium alloys
- Plastics

General Compatibility

- Waters from 40ppm to 400ppm (Calcium hardness)
- Low foaming tendency
- Suitable for high pressure applications
- Suitable for low pressure applications

Health and Safety

Full health and safety data sheet is available on request.

Storage

- Store indoors
- Store between 4 °C and 35°C
- Shelf life is 6 months from date of supply
- Store undercover or if outdoors on its side.

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