

# Technical Data Sheet

## Coolant CI-40-S

High performance semi synthetic, water miscible, metalworking fluid concentrate that produces a stable micro emulsion for use in soft water.

Chlorine-free

Coolant CI-40-S is a 40% oil, translucent, watermix cutting fluid used for sawing, turning, milling, drilling and threading, general purpose surface, cylindrical and centreless grinding on ferrous alloys including cast iron.

### 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                             | 4-6% |
| • Grinding: - cylindrical, centreless, surface. | 3-5% |
| • Form Grinding                                 | 4-6% |
| • Milling and threading                         | 5-7% |

### Typical Data

#### Concentrate

Appearance	Amber Fluid
Specific Gravity	0.99
Mineral Oil Content %	40

#### Emulsion

Appearance	Translucent
pH at 5%	9.2
IP287 pass at %	2.0
Refractometer Factor	1.1

### Emulsion Type

- Micro-emulsion
- Medium Oil Content
- No EP additives.

### Compatibility

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

### General Compatibility

- Waters from 40ppm to 200ppm (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 34°C
- Shelf life is 6 months from date of supply
- Store undercover or if outdoors on its side.

Coolant CI-40-S