

Technical Data Sheet

Coolant CI-50EP-H

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 high pressure applications.

Chlorine-free.

Coolant CI-50EP-H is a modern, EP watermix cutting fluid used for Turning, milling, drilling, threading, boring, deep hole drilling, reaming (including Maple reaming) and creep feed grinding.

Key Benefits

- Long Sump Life
- Improved Tool Life
- Excellent surface finish
- Excellent visibility
- 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% |
| • Deep hole drilling, boring, tapping | 6-8% |
| • Mapal reaming | 8-10% |
| • Creep feed grinding | 5-10% |

Typical Data

<u>Concentrate</u>	
Appearance	Amber Fluid
Specific Gravity	0.97
Mineral Oil Content %	50

<u>Emulsion</u>	
Appearance	Translucent
pH at 5%	9.1
IP287 pass at %	2.0
Refractometer Factor	1.1

Emulsion Type

- Translucent emulsion
- Medium/High Oil Content
- Lubricity additives.

Compatibility

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

General Compatibility

- Waters from 50ppm to 450ppm (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.

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