

# Technical Data Sheet

## Coolant HW1500

It is a medium oil content, stable, water soluble metal working fluid, designed for use in the most difficult hard waters giving excellent corrosion protection of a medium oil content product. It is an excellent multipurpose cutting fluid providing superb cooling and flushing characteristics.

Chlorine-free.

Coolant HW1500 is suitable for machining a wide variety of materials including cast iron, mild steels, stainless steels and other easy to medium machinability materials.

### 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

- |                                    |      |
|------------------------------------|------|
| • Grinding cylindrical, centreless | 3-5% |
| • Form grinding                    | 4-6% |
| • General Machining                | 4-6% |
| • Milling, Threading               | 6-8% |

### Typical Data

#### Concentrate

Appearance	Green Fluid
Specific Gravity	0.98
Mineral Oil Content %	40

#### Emulsion

Appearance	Translucent
pH at 5%	9.2
IP287 pass at %	3.0 (spec 19 water)
Refractometer Factor	1.1

### Emulsion Type

- Translucent emulsion
- Medium Oil Content
- Lubricity additives.

### Compatibility

- Ferrous metals including stainless steel.
- Titanium alloys
- Plastics

### General Compatibility

- Waters from 200ppm to 800ppm (Calcium hardness)
- Low foaming tendency ( in hard water)
- Suitable for medium 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 HW1500

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