

Technical Data Sheet

Coolant HW1900

It is a high oil content, stable, water soluble metal working fluid, designed for use in the most difficult hard waters whilst giving the maximum lubricity and corrosion protection of a high oil content product.

Amine-free, Boron-free, Chlorine-free.

Coolant HW1900 is suitable for machining a wide variety of materials including cast iron, mild steels, stainless steels and other easy to medium machinability materials. Excellent for magnesium alloys.

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

Concentrate

Appearance	Amber Fluid
Specific Gravity	0.95
Mineral Oil Content %	60

Emulsion

Appearance	Translucent
pH at 5%	9.3
IP287 pass at %	4.0
Refractometer Factor	1

Emulsion Type

- Translucent emulsion
- High Oil Content
- Lubricity additives.

Compatibility

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

General Compatibility

- Waters from 500ppm to 1000ppm (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.

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