

# Technical Data Sheet

## Coolant CI-20-S

Semi synthetic, water miscible, metalworking fluid concentrate that produces an ultra stable micro emulsion.

Chlorine-free

Coolant CI-20-S is a 20% oil, clear, watermix cutting fluid used for sawing, turning, milling, drilling and threading, general purpose surface, cylindrical and centreless grinding on ferrous alloys including cast iron. Its performance on cast iron is excellent.

### 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

### Emulsion Type

- Microemulsion
- Low Oil Content
- No EP additives.

### Compatibility

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

### Typical Applications

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

### General Compatibility

- Waters from 40ppm to 200ppm (Calcium hardness)
- Low foaming tendency
- Suitable for high pressure applications
- Suitable for low pressure applications

### Typical Data

#### Concentrate

Appearance	Amber Fluid
Specific Gravity	1.05
Mineral Oil Content %	20

#### Emulsion

Appearance	Fluorescent green
pH at 5%	9.2
IP287 pass at %	2.0
Refractometer Factor	1.3

### 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.

John Neale Ltd, Halesowen, West Midlands  
Phone / Fax: 0121 585 8793, Mobile: 07941774592  
E-Mail: [info@johnnealeltd.co.uk](mailto:info@johnnealeltd.co.uk) Web:- [www.johnnealeltd.co.uk](http://www.johnnealeltd.co.uk)

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