

Technical Data Sheet

Coolant S-1085

It is an ultra high performance fully synthetic, low pH cutting fluid, designed for use when machining stainless steels and other difficult alloys, giving maximum lubricity and corrosion protection.

Chlorine-free.

Coolant S-1085 is suitable for machining a wide variety of materials including mild steels, stainless steels and other ferrous alloys.

Key Benefits

- Excellent visibility
- Long Sump Life
- Improved Tool Life
- Excellent surface finish
- Operator Friendly – low pH
- Excellent Corrosion Protection.
- Low Foam in soft water.
- Reduced Sticky Deposits
- Reduced soap formation

Typical Applications

- | | |
|---------------------------------------|-------|
| • General Machining | 4-5% |
| • Deep hole drilling, boring, tapping | 4-6% |
| • Creep feed grinding | 5-10% |

Typical Data

Concentrate

Appearance	Clear Fluid
Specific Gravity	1.05
Mineral Oil Content %	Nil

Emulsion

Appearance	Transparent
pH at 5%	8.5
IP287 pass at %	3.0
Refractometer Factor	1.9

Emulsion Type

- Transparent Solution
- High Polymer Content
- Lubricity additives.

Compatibility

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

General Compatibility

- Waters from 100ppm to 500ppm (Calcium hardness)
- Low foaming tendency (in all waters)
- 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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