



COOLANT CONTROL^{INC.}

The right chemistry...

...the right solution

Product Bulletin

Orion 1085B

Heavy Duty Synthetic Cutting and Grinding Fluid

Description

Orion 1085B is our premier synthetic cutting and grinding fluid for ferrous and non-ferrous alloys. The unique proprietary lubricants in **Orion 1085B** were designed for high speeds and feed rates and provides extremely high lubricity in a variety of ferrous machining operations. This oil-rejecting fluid outperforms conventional coolants in difficult operations such as gear hobbing and gun drilling. **Orion 1085B** provides excellent bimetallic corrosion protection to keep parts and machine tools free from in-process rust. In hard or soft water, **Orion 1085B** forms a stable solution that will not foam. **Orion 1085B** is a clean fluid that runs with trouble-free dependability.

Performance Benefits

- Compatible with ferrous and non-ferrous alloys
- Increased lubrication verses other synthetic fluids
- Rejects tramp oils for easy skimming
- Biostable formula extends fluid life
- Low foaming in all water conditions
- Excellent lubrication allowing for moderate machining
- Excellent corrosion protection protects parts, machines and tools
- Settles chips quickly for a clean work environment

Recommended Applications

Application	Concentration
Grinding	3% to 6%
Machining	5% to 10%

Typical Characteristics

Appearance	Clear blue liquid
Specific Gravity @72F	1.04 to 1.07
pH (Neat)	9.80
pH (typical operating concentration)	9.3 to 9.5
Refractive Index Multiplier	2.3