

*Economical*

*Versatile*

*Effective*

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#### TECHNICAL INFORMATION

- Color - Clear amber
- PH - 9.2 – 9.6
- Odor – Mild



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# BIO 9001

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## Metal Working Coolant / Lubricant for Roll Forming

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Bio-9001 metal working coolant/lubricant provides both boundary and extreme pressure lubrication in a completely water soluble base at ambient temperatures. As working temperatures increase, Bio-9001 lubricity increases even at very low fluid concentrations. Bio-9001 produces excellent corrosion inhibition in ferrous metal applications and galvanic oxidation properties with nonferrous metals. Bio-9001 exhibits exceptional bio-stability and a very low foaming profile. It is very stable in hard water assisting in oil separation and resists bacterial attack. With proper maintenance, Bio-9001 helps prevent gummy residues found in many synthetic fluids and provides long term trouble-free maintenance with recirculating coolant systems.

### FEATURES & BENEFITS:

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Exceptional rust and corrosion protection = reduced rust problems

Increased Lubricity = reduced tooling maintenance costs

Reject tramp oils to surface = for easy removal by skimming

Low carry off of coolant = cleaner parts and less coolant depleted

Very low foaming = eliminates excessive maintenance

Exceptional antibacterial properties = stays cleaner and lasts longer

### ENVIRONMENTALLY-SAFE:

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BIO 9001 is a water-based, environmentally-friendly and worker-friendly coolant. (See: **Material Safety Data Sheet**)

### ECONOMICAL:

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Significantly reduces tooling wear, extending tooling life and increasing productivity and reducing scrap.

***Call to talk about putting BIO 9001 to work on your equipment.***

# BIO 9001



Recommended Usage Guidelines		
Application	Minimum Ratio WATER / COOLANT	Maximum Ratio WATER / COOLANT
ROLL FORMING	10/1	7/1

### Variables that influence ratio

- 1.Type of metal, grade and gauge
- 2.Processing speeds
- 3.System cleanliness

### Coolant Management

- 1.Clean system prior initial coolant charge (Cleaning procedure available)
  - Drain, disinfect and clean with alkaline cleaner
  - Add coolant per recommended ratio
- 2.Maintain system cleanliness
  - Excessive dirt and oil will impact sump life
    - Excessive oil should be skimmed out
  - Filters and skimmers available upon inquiry
  - Coolant management services available