

BIOCOOL-Blue is high performance, environment- friendly, clear blue semisynthetic metal working fluid. This product is cost effective due to its extended sump life and low maintenance costs. BIOCOOL-Blue is suitable for all moderate machining and grinding operations of all ferrous and its alloy metals. Formulated with extreme pressure additives, corrosion inhibitor package and biocides, BIOCOOL-Blue is designed to give good sump life with better tool life.



Features and benefits

- No hazardous materials like Chromates, nitrites, phosphates, and free chlorine.
- Corrosion inhibitor package protects the job and machine from rusting.
- Reduces wheel loading and dressing frequency
- Reduces machine down time.
- Reduces disposal and labor costs.

Directions for use

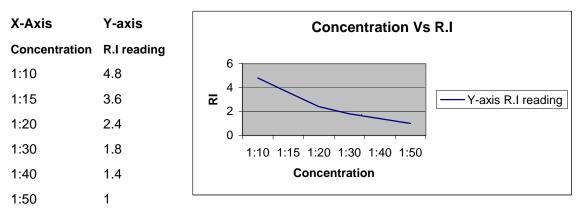
BIOCOOL- Blue should be diluted with water in the range of 10:1 to 60:1 depending upon the severity of the operation, work piece material and water hardness. The following practices help in achieving the full benefits of the product.

- Always add oil to water and never the other way.
- Usage of low hardness (< 100 PPM), Low chlorides (< 30 PPM) water.
- Never add product directly to the sump. Add in the emulsion form.
- Always clean the sump thoroughly before a fresh charge.

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Typical properties

| Attributes | | Ref. Method | | | Specifications | |
|---|-----|---------------|---------------|-------------------------|----------------|--|
| Appearance | | Visual | | Blue color clear liquid | | |
| Odor | | | | | Mild odor | |
| Specific gravity @ 27 Deg C | | ASTM D 1298 | | 1.0 +/0.02 | | |
| Emulsion type | | Visual | | Blue Translucent | | |
| Emulsion stability test 5% in 400 ppm hard water | | Internal | | To pass | | |
| PH of 5% solution | | Internal | | | 9.5 – 10.5 | |
| Foam depression in secs 5% in D.M Water | | IP 312/74 | | | 20 secs | |
| Cast iron corrosion test 3.5% in 200 ppm | | IP 287 | | Less than 1% | | |
| Refractometer reading (1: 20) | | Internal | | 2.4 +/- 0.2.0 | | |
| Oil content | | | | | 25 % Maximum | |
| HMIS Rating | | | | | | |
| Health: 1 | | Reactivity: 1 | | | Flammability:0 | |
| Metal Compatibility | | | Operation | | Concentration | |
| Ferrous | Yes | | Drilling | 1:15 | 5 | |
| Aluminum | Yes | | Broaching | 1:10 | | |
| Brass/Copper | Yes | | Grinding | 1: 25 | | |
| Titanium | No | | Tapping | 1:10 | | |
| Magnesium | No | | Milling 1: 25 | | 5 | |
| | | | Boring | | 1:15 | |



Pack size: Available in 20 & 205 liter drums

Note: Fore more details on storage and disposal please refer to material safety data sheet

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