

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

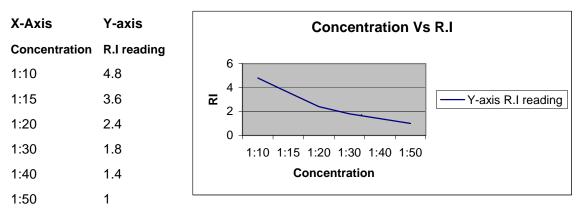
BIOCOOL- Blue should be diluted with water in the range of 10:1 to 60:1 depending upon the severity of the operation, work piece material and water hardness. The following practices help in achieving the full benefits of the product.

- 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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