

Bio-Metal Cool™ GP

General Purpose Water Emulsifiable Metal Working Fluid

Bio-Metal Cool™ GP is a general-purpose, biobased (BioPreferredSM) concentrate designed for high-performance use on both ferrous and nonferrous metals. This environmentally friendly, biosynthetic formula provides excellent corrosion protection and is non-staining to aluminum and yellow metals. It is formulated without active sulfur or chlorinated EP additives, making it an economical choice for general-purpose metalworking. Enhanced with Stabilized* HOBS technology, it delivers superior lubrication, cutting tool wetting, and oiliness. The solution remains stable in hard water and includes a non-formaldehyde producing preservative for extended fluid life and cleanliness.

Benefits

- Readily biodegradable and environmentally non-toxic (without biocide)
- Non-staining to aluminum and yellow metals
- No active sulfur or chlorinated EP additives
- Free of boron, DCHA, phosphorus, heavy metals, diethanolamine, phenolic biocides, and nonylphenol surfactants
- Stable in hard water; white to off-white emulsion
- Excellent corrosion protection
- High viscosity index for added lubrication
- Contains non-formaldehyde producing preservative
- Enhanced with Stabilized* HOBS technology
- Environmentally friendly; supports OSHA and worker acceptance
- Low VOC; safer and fire resistant

Application / New Filling

Bio-Metal Cool™ GP emulsifies easily in water. Recommended concentrations:

- **Grinding & Milling:** 1:20 to 1:30
- **General Machining:** 1:20 to 1:30
- **Drilling:** 1:10 to 1:20
- **Threading & Tapping:** 1:10 to 1:20
- **Light Drawing & Stamping:** 1:5 to 1:10

Specifications and Approvals

- BioPreferredSM
- ISO 14000 Compliant
- EPA Compliant
- OSHA Acceptable
- VOC-Free
- Contains no formaldehyde-producing agents
- Patented Stabilized™ HOBS Technology
- US Patents: 6,383,992 & 6,534,454 (with additional pending and foreign patents)

