

# Bio ME-0430

## ENVIRONMENTALLY SAFE, WATER BASED DRAWING AND FORMING LUBRICANT

Bio ME-0430 is a proprietary formulation of designer ingredients that are aimed at replacing chlorinated paraffin and sulfur effectively without environmental risk.

### FEATURES & BENEFITS

Unique characteristics of Bio ME-0430 make this a superior drawing and forming lubricant for most industrial applications. These characteristics include:

- **Water Based:** Safe & easy machine clean up
  - No chlorinated paraffin or sulfur
  - Safer for your employees
  - Cleaner working environment
  - Eliminates oil mist
- **Multi-Metal Protection:** Unique protection for galvanized and other metals
- **Superior Lubricity:** Extends tool life for added cost savings
- **Rust Inhibition:** Superior performance in ASTM D1748 humidity cabinet
- **Unique Chemistry:** Does a better job at a lower fluid volume
- **Unique Formula:** Assists in quick removal of metal fines
- **Superior Wettability:** Better coating of the work surface
- **Versatile:** Wide range of metal working applications
- **Variety:** For use with ferrous and non-ferrous metals
- **Health Benefits:** Resistant to Bacterial and Fungal growth
- **Fragrance Free:** No offensive odor

### ENVIRONMENTALLY SAFER

Bio ME-0430 is a water-based, environmentally-friendly and worker-friendly drawing and forming lubricant. (See: Safety Data Sheet)

### ECONOMICAL

Bio ME-0430 is competitively priced, and contains no unnecessary dyes and thickeners.

RECOMMENDED USAGE GUIDELINES		
Application	Minimum Ratio WATER / COOLANT	Maximum Ratio WATER / COOLANT
Standard Stamping	12:1	8:1
Deep Draws/Forming	10:1	3:1
Piercing/Slitting	15:1	10:1

**Call us to put Bio 9001 to work on your equipment.**

### TECHNICAL INFORMATION

- Color – Clear amber
- PH - 8.5 – 9.5
- Odor – Mild
- Biodegradable
- Boron Free
- Chlorine Free
- Nitrate Free
- Solvent Free
- Oil Free

### VARIABLES THAT INFLUENCE RATIO

1. Type of metal, grade and gauge
2. Type of Tooling
3. System cleanliness
4. Metalworking lubricant application system
5. Depth of Draw
6. Product radius'

### COOLANT MANAGEMENT

1. Clean system prior initial coolant charge (Cleaning procedure available)
  - Drain, disinfect and clean with alkaline cleaner
  - Add Bio ME-0430 per recommended ratio
2. Water quality will impact results
  - Soft water will cause excessive foaming
  - Hard water may cause rust issues
  - Assistance available at Biosolutions llc.
2. Maintain system cleanliness
  - Excessive dirt and oil will impact sump life
  - Monitoring pH will reduce dermatitis concerns
  - Coolant management services available

**biosolutions**

*Sustainable, Versatile, Economical*

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