

Economical

Versatile

Effective

Biostatic

Safe

TECHNICAL INFORMATION

- Color – Green
- PH - 9.5 – 10.5
- Biostatic
- Boron Free
- Chlorine Free
- Nitrate Free
- Solvent Free
- Phenol Free
- Oil Free

The logo for biosolutions, featuring the word "biosolutions" in a lowercase, sans-serif font. The "i" and "o" are green, and the "solutions" is black. A green leaf-like shape is positioned between the "i" and "o".

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Emerald CNC

ENVIRONMENTALLY SAFE, WATER BASED COOLANT

Emerald CNC is a proprietary formulation of colloids and other ingredients that are designed to replace chlorinated paraffin and sulfur effectively without environmental risk. This will also reduce potentially hazardous waste, and potential paint ability problems.

FEATURES & BENEFITS:

Unique characteristics of Emerald CNC make this a superior coolant for most industrial applications. These characteristics include:

- Water Based: Safe & easy machine clean up
 - No chlorinated paraffin or sulfur
 - Safe for your employees
 - Cleaner working environment
 - Eliminates oil mist
- Metal Deactivation: Unique protection for galvanized and other metals
- Superior Lubricity: Extends tool life for added cost savings
- Rust Inhibitor: Superior performance in ASTM D1748 humidity cabinet
- Unique Formula: Superior cooling chemistry
 - Improves tooling life
 - Lengthens the life of your coolant
- 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: Biostatic, to resist growth of bacteria and fungus and avoid dermatitis as well as other health issues.

ENVIRONMENTALLY-SAFE:

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

ECONOMICAL:

Emerald CNC is a competitively-priced, and contains no unnecessary thickeners.

Call us to put Emerald CNC to work on your equipment.

Emerald CNC

Recommended Usage Guidelines		
Application	Minimum Ratio WATER / COOLANT	Maximum Ratio WATER / COOLANT
Drilling	7:1	6:1
Grinding	12:1	6:1
Milling	7:1	6:1
Tapping	8:1	6:1

Variables that influence ratio

- 1.Type of metal, grade and gauge
 - 2.Type of tooling
 - 3.System cleanliness
 - 4.Coolant application system
 - 5.Work temperature range
-

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.Water quality will impact results
 - Hard water may cause rust issues
 - Assistance available at Biosolutions LLC
- 3.Maintain system cleanliness
 - Excessive dirt and oil will impact tooling
 - Monitoring pH will reduce dermatitis concerns
 - Coolant management services available