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TECHNICAL DATA SHEET

BestCool 310 EP

Overview: Interlube BestCool 310 EP is a premium semi-synthetic, multi-purpose, water-soluble fluid designed for a wide range of machining operations. Its multi-purpose formulation is especially suitable for a wide range of machining operations such as cutting, grinding, milling, turning and drilling. It is formulated with a special combination of high-performance mineral oils, wetting agents, emulsifying agents, boundary lubricants, rust protective agents, anti-foam agents, biocides and other performance additives. This unique combination allows it to perform extremely well on all types of carbon steels and tough alloys, and yet it is an equally good performer on nonferrous metals such as copper and aluminum. It has outstanding rust protective properties and its semi-synthetic formulation gives it desirable qualities for the protection and lubrication of expensive equipment.

Operational Benefits: These products offer these competitive advantages to enhance your reliability:

• **Multi-metal formulation** • **Multi-purpose performance** • **Excellent emulsion stability – Rejects tramp oils** • **Contains biocide to control rancidity / micro-organism growth** • **Excellent Rust and Corrosion Resistance** • **Low Foaming Performance**

Application: Use levels will vary with machining operations, speeds, feeds, and materials. **BestCool 310 EP** is a very high quality, water-soluble fluid, which forms a very stable emulsion when mixed with water. Dilution ratios will vary from 10:1 to 40:1, depending on the operations. Higher ratios improve cooling while lower ratios improve lubricity and finish. A 20:1 ratio of water to **BestCool 310 EP** represents a good balance between the needs for cooling and lubricity, and is a good starting point for testing in a specific operation.

NOTE: To obtain the best permanent emulsion we suggest premixing of the emulsion mechanically or through use of an automated mixing system. Always add the **BestCool 310 EP** to the water.

Typical Industries: This product is commonly used (but not exclusively) in the following industries: • **Metalworking shops** • **General manufacturing**