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## BestCut 105

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**Overview:** Interlube **BestCut 105** is a multipurpose water-soluble fluid formulated for a wide range of manufacturing and machining operations. Its high lubricity, excellent heat transfer properties, and non-reactive nature, make it a superior product, especially suited for use on nonferrous metals such as copper and aluminum. Its outstanding rust protective properties and oil base formulation give it desirable qualities for the protection and lubrication of equipment. It is designed to handle nearly all fabricating and machining operations on copper and aluminum, as well as cutting, drilling, milling, grinding, and turning operations.

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

• **Precision performance for maximum protection and minimum scrap** • **Excellent cooling and lubrication properties result in extended equipment life** • **Boundary lubricants - Gives high load carrying capabilities** • **Keep wheels and rolls clean; produces excellent surface finishes** • **Protects finished work and equipment against rust** • **Very low odor**

**Application:** Use levels will vary with machining operations, speeds, feeds, and materials. **BestCut 105** is a very high-quality soluble fluid which forms a very stable emulsion when mixed with water. Dilution ratios will vary from 1:10 to 1:60, depending on the operations. Higher ratios improve cooling while lower ratios improve lubricity. A 1:20 ratio of water to **BestCut 105** represents a good balance between the needs for cooling and lubricity, and is a good starting point for testing.

### Achieving a Stable Emulsion:

1. Fill the container to be used for mixing with one-half of the required amount of water (mix in a clean tank, not in sumps of machines, if possible).
2. While the water is being agitated with a paddle, propeller, or compressed air, SLOWLY ADD THE FULL AMOUNT OF **BestCut 105**.
3. When the coolant is completely mixed, add the balance of the water.

NOTE: Always add the **BestCut 105** to the water.

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