

# PRODUCT DATA

## HOCUT<sup>®</sup> 763

### HEAVY-DUTY, BIOSTATIC, SYNTHETIC MACHINING AND GRINDING FLUID

**Hocut 763** is a heavy-duty, synthetic coolant for machining and grinding of ferrous metals. It forms a clear, transparent solution which facilitates tool set-up and close tolerance grinding operations. The extreme pressure additive package incorporated into **Hocut 763** provides excellent lubrication and anti-weld properties, enabling its solutions to perform the most difficult machining operations.

**Hocut 763** is a biostatic chemical coolant that combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of a coolant.

**Hocut 763** has a clean, fresh odor and is mild and non-irritating to operators' skin, while its synthetic additive package assures economical, long-term performance. Spent solution will be compatible with the typical waste treatment methods used by the metalworking industry.

#### FEATURES

- \* Excellent machining capabilities
- \* Long sump life
- \* Clean running

#### BENEFITS

- \* Increased tool life, improved surface finish, allows increased feeds and speeds
- \* Less down time, lowered maintenance costs, lower effluent treatment costs
- \* Drops fines quickly, keeps machine tools clean



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**FEATURES**

- \* Waste treatable
- \* Rejects tramp oil

**BENEFITS**

- \* Assures low treatment costs
- \* Eliminates coolant spoilage due to oil contamination

**RECOMMENDED USE CONCENTRATIONS**

Machining	1:25 to 1:10
Grinding	1:30 to 1:20

**APPLICATION INFORMATION**

**Hocut 763** is formulated to be used under a wide variety of conditions and in many different applications. Machining and grinding operations include the following:

Kingsbury, Bullards, bar machines, multi-spindle drill presses, crankshaft and camshaft grinders, vertical and horizontal turret lathes, NC and CNC chuckers, and centerless and cylindrical grinders.

Typical metals that this product can be used on are low and high carbon steels, 300 and 400 series stainless steel, cast, nodular and grey iron, and 52100 bearing steel.

**TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

Appearance, Neat	Hazy, green liquid
Appearance, 5% Dilution	Green, clear liquid
pH, Neat	10.2
pH, 5% Dilution	9.7

**Hocut 763** is free of mineral oil, nitrites, PTBBA, phenols and heavy metals.

### **CONCENTRATION DETERMINATION**

The refractometer factor for this product is 2.0. Multiply refractometer readings by this factor to obtain product concentrations.

Remember, tramp oil and any other dissolved solids will show up as part of the reading.

### **SHELF LIFE**

Under normal conditions, the shelf life of this fluid is twelve (12) months.

### **SHIPPING INFORMATION**

**Hocut 763** is shipped in 55 (U.S.) gallon (208 liter) steel drums and in bulk.

### **SHIPPING CLASSIFICATION**

Metal Cutting and Drawing Compound

### **STORAGE/HANDLING/DISPOSABILITY**

No health or safety hazards exist when **Hocut 763** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

### **WARRANTY**

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied, since the use of our products is beyond our control. Statements concerning the use of Houghton products are not to be construed as recommending the infringement of any patent.

### **EXPORT STATEMENT**

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