

# PRODUCT DATA

## HOCUT<sup>®</sup> 4284-B

### HEAVY-DUTY, BIOSTABLE, SYNTHETIC MACHINING AND GRINDING FLUID FOR ALUMINUM ALLOYS

**Hocut 4284-B** is a heavy-duty, biostable, oil-free synthetic coolant designed for the machining and grinding of aluminum alloys, as well as heavy-duty ferrous applications. The extreme pressure additive package incorporated into **Hocut 4284-B** provides excellent lubrication and anti-weld properties, which enable its solutions to perform the most difficult machining operations.

**Hocut 4284-B** is designed to provide excellent corrosion inhibition, have low foaming tendencies, and maximize sump life. **Hocut 4284-B** has a clean, fresh odor and is non-irritating to operators' skin. The synthetic additive package assures economical, long-term performance.

#### FEATURES

- \* Excellent Machining/Grinding Capability on aluminum, steel and cast iron
- \* Long Sump Life
- \* Clean Running

#### BENEFITS

- \* Increased tool life; improved surface finish
- \* Less down time; lowered maintenance costs; lower waste treatment costs
- \* Keeps machine tools and shop areas clean



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**FEATURES**

- \* No Oil
- \* Excellent Rust/Corrosion Protection

**BENEFITS**

- \* Maximizes worker acceptance
- \* Eliminates oil misting and disposal problems
- \* In-process of machines and parts

**TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

Appearance	Hazy, amber liquid
Appearance, 5%	Slightly hazy, tan color
pH, 5% Solution	9.4 ± 0.2
Refractometer Factor	1.7

**RECOMMENDED USE CONCENTRATIONS**

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

**PERFORMANCE CHARACTERISTICS**

- \* An aircraft parts manufacturer is successfully threading, tapping, drilling and milling 6000 and 7000 series aluminum alloys with **Hocut 4284-B**. No other heavy-duty synthetic, semi-synthetic, or soluble oil product performed as well.
- \* A manufacturer of 25 MM, medium carbon steel military shells that are fortified with titanium is turning, end milling, and drilling with **Hocut 4284-B**.

**CONCENTRATION DETERMINATION**

The refractometer factor for this product is 1.7. Multiply refractometer readings by this factor to obtain product concentrations.

**SHELF LIFE**

Under normal conditions, the shelf life of **Hocut 4284-B** is twelve (12) months.

**SHIPPING INFORMATION**

**Hocut 4284-B** 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 4284-B** 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**

This commodity and its technology are subject to the export control laws and regulations of the United States Government. Buyer agrees that it shall not make any disposition, by way of export, diversion, transshipment, re-export or otherwise, except as expressly permitted under United States law.

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