

# PRODUCT DATA

## HOCUT<sup>®</sup> 4287-CH

**Hocut 4287-CH** is an extremely heavy-duty sulfo-chlorinated emulsifiable oil. Its high levels of sulfur and chlorine extreme pressure additives provide extended tool life, excellent finish and anti-welding property. Synthetic esters have been added to increase the boundary lubrication properties. Specially formulated raw materials have been incorporated to enhance the biostability and anti-staining characteristics of **Hocut 4287-CH**, thereby optimizing sump life.

**Hocut 4287-CH** is designed to replace a fortified sulfo-chlorinated straight black oil or other heavy-duty operations where fortified soluble oils lack performance. It is formulated for the most difficult machining and grinding operations of all metals.

### FEATURES

- \* Highly fortified
- \* Excellent rust protection
- \* Waste treatable
- \* Long sump life

### BENEFITS

- \* Increased tool life  
Improved surface finish  
Increased speeds and feeds
- \* In-process protection of  
machinery and parts
- \* Assures low treatment costs
- \* Reduced maintenance costs

### RECOMMENDED USE CONCENTRATIONS

Machining	1:10 to 1:25
Threading and Tapping	1:10 to 1:25
Form Grinding	1:10 to 1:25
Grinding	1:20 to 1:25



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**CONCENTRATION DETERMINATION**

The American Optical Refractometer factor is 1.0. The refractometer reading can be read directly as emulsion concentration.

Note - Any tramp oil or other dissolved solids will enter into the total refractometer reading.

**TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

Appearance, Neat	Dark amber liquid
Appearance, 10% Emulsion	Opaque, white emulsion
pH, 10% Emulsion	9.4

**SHELF LIFE**

Under normal conditions, the recommended shelf life is six (6) months.

**SHIPPING INFORMATION**

**Hocut 4287-CH** 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 4287-CH** 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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