

PRODUCT DATA

HOCUT® V-4000

HEAVY-DUTY VEGETABLE-OIL BASED MACHINING AND GRINDING FLUID FOR USE WITH ALL METALS INCLUDING AUTOMOTIVE GRADE CAST ALUMINUM

Many of today's modern machine shops require the use of one coolant capable of working in many applications on a wide variety of metals. **Hocut V-4000** is such a product. Whether you're cutting high or low carbon steels, alloy steels such as 4130 and 4140; cast iron, nodular iron and gray iron; 300 and 400 series stainless steel, **Hocut V-4000** is the choice. It is especially suitable when machining automotive grade aluminum cast alloys including 308, 319, 356, 380, 384 and 390.

Hocut V-4000 is formulated from vegetable oil with a combination of ingredients that provide a greater resistance to microbial degradation of the fluid.

Tests have shown that the synergies of the components in this product will reduce the frequency of sumpside additions of antimicrobial agents.

Hocut V-4000 is compatible with hard water, is clean running and biostable, which assures long, odor-free sump life. It provides corrosion protection without staining and affords superior lubrication which will yield improved tool life and part finish. Low foaming characteristics make **Hocut V-4000** an excellent choice for gun drilling and other high pressure applications.



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FEATURES

Clean running/low foam
Excellent corrosion protection
Excellent machining capabilities

BENEFITS

Reduced disposal cost/less
down time/operator acceptance
In-process protection of
machinery and parts
Increased tool life;
improves surface finish

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Neat	Amber liquid
5% Emulsion	Whitish emulsion
pH 5% Emulsion	9.6
Pounds per Gallon, 60°F	8.16

RECOMMENDED USE CONCENTRATION

Machining	20:1
Grinding	30:1

CONCENTRATION CHECKS

The refractometer factor for **Hocut V-4000** is 1.7. Multiply the refractometer reading by this factor to obtain the emulsion concentration in percent.

SHELF LIFE

Under normal conditions, the recommended shelf life for **Hocut V-4000** is six (6) months.

SHIPPING INFORMATION

Hocut V-4000 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 V-4000** 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.