

PRODUCT DATA

HOCUT® 795-FD

HEAVY-DUTY MACHINING AND GRINDING FLUID FOR USE WITH ALL METALS INCLUDING AUTOMOTIVE GRADE CAST ALUMINUMS

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 795-FD** is such a product. Its versatility can be demonstrated by machines and metals on which it can be used. These include Kingsburys, Bullards, bar machines, lathes, chuckers, centerless and cylindrical grinders. 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 795-FD** is the choice. It is especially suitable when machining automotive grade aluminium cast alloys including 308, 319, 356, 380, 384 and 390.

HOCUT 795-FD is formulated with a combination of ingredients that provide a greater resistance to microbial degradation of the fluid.

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

HOCUT 795-FD is compatible with hard water, is clean running and biostable, which assures long, odour-free sump life. It provides corrosion protection without staining and affords good lubrication for machine ways and indexing mechanisms. Low foaming characteristics make **HOCUT 795-FD** 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

5% Emulsion

Amber fluid

Whitish emulsion

pH, 5% Emulsion

9.1 – 9.3

Pounds per Imperial Gallon, 60°F

9.5

RECOMMENDED USE CONCENTRATION

Machining

10:1 to 20:1

Grinding

20:1 to 25:1

CONCENTRATION CHECKS

The refractometer factor for **HOCUT 795-FD** is 1.1. 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 795-FD** is six (6) months.

SHIPPING INFORMATION

HOCUT 795-FD is shipped in 205 litre steel drums and in bulk.

SHIPPING CLASSIFICATION

Metal Cutting and Drawing Compound

STORAGE / HANDLING / DISPOSABILITY

No health or safety hazards exist when **HOCUT 795-FD** is stored, used and disposed of in accordance with 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.