

# HOCUT<sup>®</sup> 8640

Heavy-duty machining and grinding fluid for use with multiple metals including stainless steel, wrought and cast aluminum, powdered metal and carbon particle composites

## DESCRIPTION

**HOCUT 8640** is an advanced soluble oil metal removal fluid. This versatile product can be used in a broad array of heavy duty machining, grinding and honing applications for a wide range of ferrous and aluminum metals including high and low carbon steels such as 1018, alloyed steels such as 4130 and 4140, cast iron, nodular and gray iron, 300 and 400 series stainless steel, aluminum alloys such as 6061, and cast aluminum alloys including 308, 319, 356, 380, 384, and 390, powdered metal and carbon particle composites.

**HOCUT 8640** has excellent emulsion stability, is clean running (high detergency and good dispersion) and biostable assuring long sump life. It is suitable for both central systems and single-sump machines. **HOCUT 8640** provides high corrosion protection without staining. Low foaming characteristics make **HOCUT 8640** an excellent choice for high pressure applications.

## RECOMMENDED USE CONCENTRATION

Machining	5 to 10%
Grinding	5%

## DATA (TYPICAL VALUES)

Appearance	Amber liquid
pH @ 5%, in use	9.1 - 9.3
Specific Gravity @ 15°C	0.95
Refractometer Factor	1.0

DC 17.06 US

## FEATURES / BENEFITS

- **Multi-metal Compatible** - One product for many applications
- **Enhanced Lubricity** - Improves part quality and surface finish
- **Exceptional Dispersion** - Improves chip removal
- **High Detergency** - Runs clean and with low scum formation
- **Low Foaming** - Ideal for high feeds/speeds and high pressure applications, increases productivity
- **Excellent Part and Machinery Corrosion Protection** - Non-staining, extends tool life
- **Lower Consumption** - Reduces coolant costs
- **Biostable** - Extends sump life, minimizes waste treatment, disposal, and recharge costs. Eliminates need for sump-side additives.
- Free of secondary amines, boron, or formaldehyde releasing biocide

## HEALTH AND SAFETY

Refer to SDS for proper handling and disposal. Please note that the SDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.



**HOUGHTON<sup>®</sup>**

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