

# Hocut® 795-NSC

Heavy-duty chlorine-free machining and grinding fluid for use with ferrous and aluminum including automotive grade cast aluminums

## DESCRIPTION

**Hocut 795-NSC** is a chlorine-free, soluble oil metal removal fluid with high lubricity. This versatile product can be used in a broad array of heavy duty machining and grinding applications for a wide range of ferrous and aluminum metals including high and low carbon steels (e.g. 1018), alloyed steels such as 4130 and 4140, cast iron, nodular and gray iron, 300 and 400 series stainless steel, automotive grade cast aluminum alloys including 308, 319, 356, 380, 384, and 390.

**Hocut 795-NSC** is compatible with hard water, clean-running and biostable assuring long, odor-free sump life and is suitable for both centralized systems and single-sump machines. **Hocut 795-NSC** provides high corrosion protection without staining and lubricates machine ways and indexing mechanisms. Low foaming characteristics make **Hocut 795-NSC** an excellent choice for gun drilling and other high pressure applications.

## CONCENTRATION CHECKS

The refractometer factor for **Hocut 795-NSC** is 1.0. Multiply the refractometer reading by this factor to obtain the emulsion concentration in percent.

## RECOMMENDED USE CONCENTRATIONS

Machining	5 to 10%
Grinding	5%

## DATA (TYPICAL VALUES)

Appearance (Neat)	Clear amber fluid
Appearance (5% Emulsion)	Whitish emulsion
Typical in use pH	9.1 - 9.3
Specific Gravity	0.937

DM 15.07 US

## FEATURES / BENEFITS

- Universal coolant: Multi-metal compatible - one product satisfies all machining requirements
- Enhanced lubricity technology improves plant economics:
  - ◇ Extends tool life
  - ◇ Improves productivity - reduces cycle time
  - ◇ Provides superior surface finish - reduces rework and scrap rates
  - ◇ Lower running concentration reduces coolant usage
- Excellent corrosion protection for ferrous and aluminum alloys. Protects both parts and machinery.
- Biostable formulation extends sump life. Minimizes waste treatment, disposal, and recharge costs. No repeated need for sump-side additives.
- Clean-running: High detergency keeps wheels and machine surfaces clean thus minimizing maintenance downtime
- Low foam: Ideal for high feeds and speeds and high pressure applications
- Superior EHS profile:
  - ◇ Minimizes potential health and environmental impacts
  - ◇ Environmentally friendly working conditions increase operator acceptance

## 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.



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