

# TECHNICAL DATA SHEET

## HOCUT® 795 B

### HEAVY DUTY MACHINING & GRINDING FLUID FOR ALL METALS

HOCUT 795 B 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 B provides high corrosion protection without staining and lubricates machine ways and indexing mechanisms.

#### Applications

HOCUT 795 B is the number one coolant used in Aerospace machining applications. It is a versatile, heavy duty, chlorine-free, soluble metal removal fluid specially formulated to machine aerospace grade aluminum alloys, titanium, Hastalloy, Inconel, stainless steels, superalloys, and composites. It is also well-suited for all automotive grade alloys.

Low foaming characteristics make HOCUT 795 B an excellent choice for gun drilling and other high pressure applications.

Hocut 795 B holds the following aerospace approvals:

- Applied Materials, 0250-20001 Rev 03
- Boeing – BAC-5008, Classes 1,2,3,4,5,6
- Bombardier, BAMS 569-001 Rev B, Classes A, C, D
- Messier Dowty (SAFRAN), PCS 4002
- NASA, MF0004-018
- Northrop Grumman
- Pratt & Whitney, PMC 9386-1 MCL E-205
- Rolls Royce, CSS 129, CSS 131 - Type A
- Sikorsky Helicopter
- SNECMA, 455-201-0-00
- United Engines
- UTC Aerospace Systems / Goodrich, MMC233
- VIAM
- Vought Aircraft
- Airbus : AIPS 00-00-010

#### Recommendation For Use

Machining 7 to 10%

Grinding 5%

#### Benefits

- 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 Aerospace alloys. Protects both parts and machinery.
- Biostable formulation extends sump life. Eliminates odors. 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.

#### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

#### Typical Physical Properties

PROPERTY	TYPICAL VALUE
Appearance	Amber liquid
Typical pH in use	9
Density, g/cc	0.97
Density, lbs/gal	8.1
Refractometer Factor	1

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