

TECHNICAL DATA SHEET

HOCUT® CM-43

HEAVY-DUTY CHLORINE-FREE MACHINING AND GRINDING FLUID FOR USE WITH FERROUS AND ALUMINUM INCLUDING AUTOMOTIVE GRADE CAST ALUMINUMS

HOCUT CM-43 is a chlorine-free, soluble oil metal removal fluid with high lubricity.

It 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 CM-43 provides high corrosion protection without staining and lubricates machine ways and indexing mechanisms.

Applications

HOCUT CM-43 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.

Low foaming characteristics make HOCUT CM-43 an excellent choice for gun drilling and other high pressure applications.

Recommendation For Use

Machining 5 to 10%

Grinding 5%

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

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	0.94
Density, lbs/gal	7.8
Refractometer Factor	1

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