

TECHNICAL DATA SHEET

HOCUT® 4161

WATER SOLUBLE METALWORKING FLUID

HOCUT® 4161 is an advanced, semi-synthetic, boron and formaldehyde-free emulsion technology giving ultra-long sump-life and enhanced machining performance compared to conventional products.

Applications

HOCUT® 4161 is a general purpose coolant suitable for light to medium duty machining and grinding of ferrous materials designed for automotive and bearings sectors.

HOCUT® 4161 is also suitable for light duty machining of aluminium alloys.

Ultra long-life makes the product suitable for both centralised systems and single-sump machines while the advanced boron-free technology extends emulsion life without the need for regular biocide treatments .

The semi-synthetic emulsion has excellent wetting properties to keep machines and tools in clean condition.

HOCUT® 4161 is designed for a wide range of water hardness.

Recommendation For Use

Light duty ferrous machining 5-10 %

Ferrous grinding 5-10 %

Light duty aluminium machining 5-10%

Benefits

- Versatile performance : ideal for all all general machining and grinding operations
- Very long sump-life : new HOCUT® 4000 series emulsion technology extends intervals between clean outs
- Very stable emulsion : long fluid life, fewer additive treatments and lower usage costs
- Very low foaming : ideal for high pressures and flow rates in a wide range of water hardness
- Excellent EHS profile: Boron, formaldehyde, chlorine and phenol-free. Contains only TRGS 611 approved amines

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	UNIT
Concentrate Appearance	Amber oil	
Specific Gravity @20°C	1,00	DIN 51757
Refractometer Factor	2.4	HIM 53
Emulsion Appearance	Translucent	
pH @6%	8.9-9.5	DIN 51369

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