

# HOCUT 3330

Water soluble metalworking fluid

## DESCRIPTION

HOCUT 3330 is advanced, high lubricity, boron- and formaldehyde-free emulsion technology giving ultra-long sump-life and enhanced machining performance compared to conventional products.

## APPLICATIONS

HOCUT 3330 high lubricity characteristics make it recommended for machining difficult materials such as titanium, inonel, and alloy steels.

Low foaming characteristics are specifically designed for modern high-pressure coolant delivery systems. The product is designed primarily for soft water.

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.

## RECOMMENDATION FOR USE

Medium duty machining 6-8%

Heavy duty machining 6-10%

Heavy duty grinding 6-10%

## TYPICAL PHYSICAL PROPERTIES

Concentrate Appearance	Clear Amber oil	
Specific Gravity @20°C	0.94	DIN 51757
Refractometer Factor	1.02	HIM 53
Emulsion Appearance	Milky	
pH @6%	9.2-9.6	DIN 51369

## BENEFITS

- **High lubricity** : sophisticated package of mineral oil and polar additives extend tool-life
- **Ultra long sump life** : innovative stabilizing technology extends intervals between clean outs
- **Very stable emulsion** : fewer additive treatments and lower usage costs
- **Good corrosion protection** : fewer rejects and lower maintenance cost
- **Boron-free** : no SVHC classification under REACH
- **Very low foaming** : ideal for the highest speeds and pressures in soft water
- **Very good EHS profile**: Boron, formaldehyde, chlorine and phenol-free. Contains only TRGS611 approved amines

## RELATED PRODUCT

Water soluble coolants are complemented by our full range of high quality, speciality production fluids including energy saving wash chemicals , low misting neat cutting oils, non-VOC rust preventives and long life heat treatment fluids. Fluidcare services complete our value added portfolio with a range of expert services and equipment to help reduce costs and improve productivity. For more information, please contact your local Houghton representative.

## STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

## HEALTH AND SAFETY

Safety data sheets are available in accordance with Regulations (EC) No 1907/2006 Annex II and (EC) No 1272/2008.

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