

HOCUT 4530

Water soluble metalworking fluid

DESCRIPTION

HOCUT 4530 is advanced, high lubricity, technology giving ultra-long sump-life and enhanced machining performance compared to conventional products.

HOCUT 4530 is a truly global product, developed to meet latest EHS standards for automotive industry and is compliant to METI/PRTR, REACH and major regulations. Suitable for machining of ferrous and non-ferrous alloys.

APPLICATIONS

HOCUT 4530 is recommended for heavy duty machining of a wide range of materials including automotive aluminium alloys, high alloy steels and difficult cast iron.

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 versatile formulation is suitable for both hard and soft water and is specially formulated to give superior emulsion stability and freedom from sticky soaps formation in hard water.

RECOMMENDATION FOR USE

Medium duty machining	6-8 %
Heavy duty machining	8-10 %
Heavy duty grinding	6-10 %

TYPICAL PHYSICAL PROPERTIES

Concentrate Appearance	Hazy brown oil	
Specific Gravity @20°C	0.94	DIN 51757
Refractometer Factor	1.0	HIM 53
Emulsion Appearance	Milky white	
pH @6%	8.9-9.5	DIN 51369

BENEFITS

- **High lubricity** : sophisticated package of mineral oil and polar additives extend tool-life
- **Ultra long sump life** : HOCUT 4000 technology extends intervals between clean outs
- **Very stable emulsion** : fewer additive treatments and lower usage costs
- **Very stable in hard water** : no sticky residues or maintenance issues on machines
- **Very low foaming** : ideal for the highest speeds and pressures in soft and hard water
- **Boron-free** : no SVHC classification under REACH
- **Excellent EHS profile** : Boron, formaldehyde, chlorine, halogen, DCHA 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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