

HOCUT 4160

Water soluble metalworking fluid

DESCRIPTION

HOCUT 4160 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 4160 is a general purpose coolant suitable for light to medium duty machining and grinding of ferrous materials designed for automotive and bearings sectors.

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 4160 is designed for a wide range of water hardness.

RECOMMENDATION FOR USE

Light duty ferrous machining 4-6%

Ferrous grinding 4-6%

TYPICAL PHYSICAL PROPERTIES

Concentrate Appearance	Amber oil
Specific Gravity @ 20°C	0.99
Refractometer Factor	2.1
Emulsion Appearance	Translucent
pH in Use	8.8-9.2

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
- **Boron-free** : no SVHC classification under REACh.
- **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.

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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