

MACRON 400 M-46

Neat Cutting, Hydraulic and Lubricating Oil

DESCRIPTION

MACRON 400 M-46 is based on hydro treated mineral oil with low aromatic content. A combination of polar, extreme pressure and anti-wear additives provide the oil with high load carrying properties. The oil provides good surface finish of the machined work pieces.

MACRON 400 M-46 is free from zinc, chlorine and active sulphur.

APPLICATIONS

MACRON 400 M-46 is a high performance cutting oil for operations on light and medium alloyed steels, aluminium and yellow metals.

MACRON 400 M-46 has multipurpose oil characteristics for cutting and hydraulic oil HLP DIN 51524-2 and gear oil CLP DIN 51517-3. It has a good de-aeration power, does not foam and is not aggressive for paints on machine tools.

RECOMMENDATION FOR USE

MACRON 400 M-46 is used neat as supplied.

TYPICAL PHYSICAL PROPERTIES

Colour	yellow	
Specific Gravity @ 20 °C kg/m ³	870	ASTM D 4052
Kinetic Viscosity @ 40°C, mm ² /s	46	ASTM D 7042
Flash Point COC °C	230	ASTM D 92
Pour Point °C	-18	ASTM D 97
Copper Corrosion	1a	ASTM D 130

BENEFITS

- Increased productivity - reduced machine stills
- Reduced cost - long sump life
- Secure handling - clean working environment
- Secure handling - fulfills HLP / CLP standards

RELATED PRODUCTS

For best results we recommend the use of the Houghton range of industrial lubricants, cleaners and corrosion protective.

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 Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.

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Houghton plc
Beacon Road, Trafford Park
Manchester M17 1AF

Tel +44 (0) 161 874 5000
Fax +44 (0) 161 874 5001
E-mail uk.enquiries@houghtoneurope.com
<http://www.houghtonintl.com>

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