

CUT-MAX[®] ML 20

Metal Working fluid for Minimum Lubrication application.

DESCRIPTION

The **CUT-MAX ML 20** are high quality products designed for applications where minimal quantities of cutting lubricants are dispensed by total loss micro-pulse applicators. Typical operations include sawing of aluminium sections. Products are available for aluminium, steel or mixed metal machining.

CUT-MAX ML 20 is used for the machining and grinding of moderate machinability materials.

FEATURES

- Medium duty machining and grinding of ferrous and aluminium alloys
- Deep-hole drilling
- Hobbing
- Counterboring and reaming
- shaping
- Excellent tool and die life
- Low Foam
- Minimal oil mist
- Excellent surface finish

TYPICAL VALUES

Product Appearance	Clear Amber Oil
Flash Point (COC)	> 185°C
Specific Gravity @15°C	0.880 kg/L
Viscosity @40°C	20 cSt
Sulphur	None
Chlorine	None

HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

01 July 2011 Version 1.0, Code: CUTML 20



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This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

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REFERENCES

Houghton recommends that periodic checks of **CUT-MAX ML 20** should be carried out .

Checks will involve:

Viscosity@40°C: 16—24 cSt (In-use)

Water Content: < 0.02% (In-use)

These can be routinely performed and organised through Houghton's Customer Service laboratory, please contact your sales representative for further information about this service.

HOW TO USE

CUT-MAX ML 20 is used neat, as supplied, from the drum.

Apply by: Spraying, brushing or flooding.

CUT-MAX ML 20 can be diluted with light oil for light machining operations.

SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **CUT-MAX ML 20** is a minimum of Twelve (12) months, unless otherwise specified.

CUT-MAX ML 20 is available in Pail, Drum or Tote. Other sizes may be available upon request , please contact your Houghton sales representative.

RELATED PRODUCTS

- CUT-MAX[®]: Straight cutting oils
- GARIA[™]: Straight cutting oils
- MACRON[™]: Straight cutting and honing oils
- EXCELENE[™]: Straight cutting and honing oils
- DASCOLENE[™]: Straight OEM approved cutting oils
- HOCUT[®]: Water miscible metalworking fluids
- DASCOOL[™]: Water miscible metalworking fluids
- DROMUS[™]: Soluble metalworking fluids
- ADRANA[™]: Micro-emulsion metalworking fluids
- SITALA[™]: Semi-Synthetic metalworking fluids
- METALINA[™]: Synthetic metalworking fluids
- HOUGHTO-GRIND[®]: Straight and water miscible grinding fluids
- HOUGHTO-DRAW[®]: Straight and water miscible drawing stamping and forming fluids.
- CINDOL[™]: Straight and water miscible drawing and forming fluids especially for Aluminium parts.
- FENELLA[™]: Straight and water miscible drawing, stamping and forming fluids.
- CERFA-KLEEN[®]: Water miscible cleaning fluids
- VIBRA-KLEEN[®]: Water miscible vibrating cleaning fluids
- CALLINA[™]: Water miscible cleaning fluids
- RUST VETO[®]: Straight and water miscible rust preventive fluids.
- ENSIS[™]: Straight and water miscible rust preventive fluids.
- COSMOLINE[®]: MIL-SPEC Straight and water miscible rust preventive fluids.

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