

# CUT-MAX<sup>®</sup> IN 2020

## High Performance Metal Working fluid

### DESCRIPTION

**CUT-MAX IN 2020** are is light coloured oil, fortified with su extreme pressure agents, blended into highly refined petroleum oil to give excellent surface finish to components.

The Extreme pressure additives are specially formulated to remain completely soluble in the petroleum oil base and coupled with the low fluid viscosity, provides good coolant flow, prolonging tool and die life.

**CUT-MAX IN 2020** is used for medium and difficult machining of ferrous metals - heavy duty automatic machining, milling, broaching, gear cutting, hobbing, thread forming, cold heading and is ideal also as a coolant for gun grilling.

### 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)	> 200°C
Specific Gravity @15°C	0.890 kg/L
Viscosity @40°C	20 cSt

### 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.

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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 IN 2020** 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 IN 2020** is used neat, as supplied, from the drum.

Apply by: Spraying, brushing or flooding.

**CUT-MAX IN 2020** can be diluted with light oil for light machining operations.

### SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **CUT-MAX IN 2020** is a minimum of Twelve (12) months, unless otherwise specified.

**CUT-MAX IN 2020** 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.
- CUT-MAX™: 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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