

MACRON™ 295 F-5

Neat Metal Cutting and Honing Oil

DESCRIPTION

MACRON 295 F-5 is a grinding , honing and cutting oil for fine machining operations with EP properties.

MACRON 295 F-5 is a honing and grinding oil for steel, cast iron and aluminium.

MACRON 295 F-5 is based on highly refined mineral oils with a low aromatic content. A combination of optimum polar additives and anti wear additives provide the oils with high load carrying properties.

MACRON 295 F-5 provides good tool life and good surface tfinish of the machined work piece. It does not contain Sulphur or Chlorine.

MACRON 295 F-5 has a high Flash point, for safer working conditions.

MACRON 295 F-5 can also be used for universal machining of light alloyed steels, yellow metals and light metals (Mg) and glass at high cutting speeds.

FEATURES

- Excellent for Grinding and honning
- Excellent tool and die life
- Low Foam
- Excellent surface finish
- High flash point
- No staining on Yellow metals
- Good detergency

TYPICAL VALUES

Product Appearance	Light Yellow Oil
Flash Point (COC)	> 130°C
Specific Gravity @29.5°C (ASTM D 4052)	0.880 kg/L
Viscosity @40°C	5.0 cSt
Copper Corrosion Test (ASTM D 130) :	1b

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 **MACRON 295 F-5** should be carried out .

Checks will involve:

Viscosity@40°C: 3 - 8 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

MACRON 295 F-5 is used neat, as supplied, from the drum.

Apply by: Spraying, brushing or flooding.

The product **MACRON 295 F-5** can also be used for universal machining of light alloyed steels, yellow metals and light metals.

SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **MACRON 295 F-5** is a minimum of Twelve (12) months, unless otherwise specified.

MACRON 295 F-5 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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