

MACRON™ 2425 S-14

Neat Metal Cutting and Honing Oil

DESCRIPTION

MACRON 2425 S-14 are high performance grinding oils, used for flute grinding on high-speed steel as well on applications with ceramic, diamond or boron nitride grinding wheels.

MACRON 2425 S-14 can also be used for grinding of spiral toothed bevel gears and flat or cylindrical grinding processes on the complete range of steels and non-ferrous metals.

MACRON 2425 S-14 is chlorine-free high performance neat grinding oils. **MACRON 2425 S-14** are based on specially treated mineral base oil for enhanced skin compatibility.

A well-selected combination of chemically-active phosphorous additives together with polar additives provide particularly high load carrying properties. Through this prolonged tool live and excellent surface finish of the machined work pieces are achieved.

MACRON 2425 S-14 has a high Flash point, for safer working conditions.

FEATURES

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

TYPICAL VALUES

Product Appearance	Light Yellow Oil
Flash Point (COC)	> 170°C
Specific Gravity @29.5°C (ASTM D 4052)	0.863 kg/L
Viscosity @40°C	13.3 cSt
Pour Point (ISO 51 597)	- 10°C

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 2425 S-14** should be carried out .

Checks will involve:

Viscosity@40°C: 10.5 - 15.8 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 2425 S-14 is used neat, as supplied, from the drum.

Apply by: Spraying, brushing or flooding.

The product **MACRON 2425 S-14** 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 2425 S-14** is a minimum of Twelve (12) months, unless otherwise specified.

MACRON 2425 S-14 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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