

TECHNICAL DATA SHEET

BINOL CUT[®] 10

MACHINING AND GRINDING NEAT OIL

Extra high performance neat cutting oil based on advanced ester technology from renewable raw materials, designed for metalworking operations. High polar additives gives optimal wetting and lubricating properties ensuring high surface finish quality and improved tool life.

The product should be used neat.

Applications

Main application: general machining and grinding operations.

Ferrous and non-ferrous materials.

For more specific applications please consult table below.

Operations

Turning, Milling, Drilling, Tapping-Threading, Reaming, Sawing, Grinding, Honing, ...

Materials

Cast-iron, Steel, High alloy steel, Aluminium alloys, Copper alloys, Carbide tool, ...

Recommendation for use

Prior to making any fresh fill, we highly recommend full cleaning of all system components which will be in contact with the oil.

Advice for keeping optimal oil performance and longer oil sump life:

- Avoid water contamination.
- Minimize pollution with aqueous metalworking coolants or cleaners.
- Minimize pollution with tramp-oil (hydraulic oils, slideway oils, etc.....).
- Use proper filtration unit to remove swarf and chips.
- Avoid overheating.

*Please consult a Quaker Houghton representative for any additional information.

Benefits

- Longer tool life resulting in increased productivity
- Reduced drag-out, lower costs
- Low oil mist
- Cleaner working environment
- Good skin compatibility

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

This product has a recommended shelf life of: 24 months

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance / Colour	Clear Amber	[-]
Viscosity	11	mm ² /s @ 40°C
Density	870	kg/m ³ @ 15°C
Flash point (COC)	232	°C
Pour point	-9	°C
Copper corrosion	1a	ASTM D 130

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. [047003]

