



MicroTrace™ 5500

Technical Data Sheet

MicroTrace™ 5500 is an advanced vanishing lubricant designed for use with Unist Minimum Quantity Lubrication (MQL) systems, and is specifically formulated to provide lubricity while leaving a virtually dry surface.

Use for



Drilling



Milling



Tapping



Routing



Sawing



Turning

Aluminum

Brass

Stainless Steel

Steel

Benefits

- Reduces post-process cleaning
- Dries quickly with virtually no residue
- Contains no chlorine, silicone, or sulphur
- Low odor
- Extends tool life
- Improves surface finishes

Application

MQL applies a small amount of high-quality lubricant directly to the cutting tool/workpiece interface, forming a lubrication boundary that reduces friction and minimizes heat generation.

- Increase tool life up to 500%
- Eliminate flood coolant mess, treatment, and disposal
- Increase chip value by eliminating coolant
- Use as little as 2–4 oz per shift

More information on Minimum Quantity Lubrication: unist.com/mql



LIFETIME PUMP WARRANTY

Unist pumps are warranted for life when used exclusively with **Unist Lubricants**.

Technical data

Typical properties

| | | | |
|----------------------|-----------------------|-------------------------|-----------------|
| Product Name: | MicroTrace™ 5500 | Solubility in water: | Insoluble |
| Product identifier: | Low residue MQL fluid | Odor: | Characteristic |
| Appearance: | Clear, colorless | Flash Point: | >142°F [61°C] |
| Density (lbs./gal.): | 6.6 | Melting/Freezing Point: | <-94°F [-70° C] |

Safety

This product presents an aspiration hazard and may be harmful if swallowed; if aspirated into the lungs, it may cause chemical pneumonia, so if swallowed, DO NOT induce vomiting and refer to the product SDS for complete details.

Shelf life

24 months if stored at the proper storage conditions in sealed, unopened containers. Unused product should be retested after 24 months. Due to vapor diffusion, containers may slightly collapse inward over time. This does not negatively affect the product or the container and is purely cosmetic.

Handling & storage

Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For industrial use only. Use good hygiene practices when handling product. Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers.

Available sizes

8 oz [23 L] bottles, 1 gal. [3.7 L] jugs, 5 gal. [18.9 L] pails, 55 gal. [208 L] drums.

Visit unist.com/sds for complete health and safety information.

NEED MORE INFORMATION?



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