H&O DIE SUPPLY, INC.

MicroLubricant ML-400 Minimum Quantity Lubrication Heavy Duty MQL Tough Steel and Aluminum Alloys

PRODUCT DESCRIPTION

MicroLubricant ML-400 is a synthetic derived minimal quantity lubricant typically applied in "drops" to eliminate traditional flood coolant applications. MicroLubricant ML-400 is ideally suited for near dry machining of abrasive aluminum alloys, stainless steels and exotic alloys. This product is the ideal choice to replace water dilutable coolants in the most severe operations machining tough alloys.

BENEFITS

- Eliminates coolant waste
- Eliminates coolant maintenance
- Eliminates corrosion
- *Eliminates* post cleaning process
- 1 *Eliminates* rancidity and odors
- *Eliminates* costly additives
- Eliminates mixing/measuring

APPLICATIONS

- General and CNC Machining
- Rollforming
- Tapping
- **DIRECTIONS FOR USE**

MicroLubricant ML-400 is used as received. The lubricant is typically applied directly to the cutting tool through an adjustable applicator that does not atomize. MicroLubricant ML-400 must contact the tool before cutting or forming begins. Increasing the feed rate eliminates hot parts and reducing the feed rate

PROPERTIES

Appearance	Red, clear liquid	Water Solubility	N/A
Odor	Bland	pH	N/A

PACKAGING

MicroLubricant ML-400 is available in 1 gallon containers, 5 gallon pails, 55 gallon drums and 330 gallon

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for loss, damage, or expense, direct or consequential, arising out of their use.

MICRO LUBRICANTS

No one understands micro lubrication better than Metalloid, so no one else can bring you advanced technology that works on the issues that matter to you. Get the whole story by calling Metalloid at 800.686.3201.

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Micro Lubrication, now that's... Clever.

Faster machining - Improved finishes ✓ Produces dry chips – easier to process

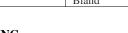
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- All metal operations benefit from MQL due to the unique lubrication properties, including but not limited to the specific operations listed below:
 - Sawing & Cut-Off
- Spinning
 - Metalforming operations

eliminates hot tooling.



Appearance	Red, clear liquid	Water Solubility	N/A
Odor	Bland	pH	N/A



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Texas Facility Jacksonville, TX 75766 telephone 903.589.3933 facsimile 903.589.3924

1720 N. Quevado St

Cost effective Eliminates petroleum oils **Reduces** friction and heat

Improves air quality - no misting

Eliminates smoke and oil residue

