

MicroLubricant ML-600
Minimum Quantity Lubricant
Light-Medium Duty MQL
For Soft Metals



Product Description

MicroLubricant ML-600 is a light to medium-duty minimal quantity lubricant for soft metals.

The process of using minute quantities (drops) of lubricant as opposed to flood lubricant to machine or form metal is now available to you. Microlubrication successfully replaces flood coolants and costly recirculating systems. MQL technology provides excellent results both in terms of performance and total system costs.

Benefits

- ✓ *Eliminates* coolant waste
- ✓ *Eliminates* coolant maintenance
- ✓ *Eliminates* corrosion
- ✓ *Eliminates* post cleaning process
- ✓ *Eliminates* rancidity and odors
- ✓ *Eliminates* costly additives
- ✓ *Eliminates* mixing/measuring
- ✓ *Eliminates* smoke and oil residue
- ✓ *Improves* air quality – no misting
- ✓ *Eliminates* staining on sensitive metals
- ✓ **100% Biodegradable**
- ✓ Produces dry chips – easier to process
- ✓ Cost effective
- ✓ *Eliminates* petroleum oils
- ✓ *Reduces* friction and heat
- ✓ *Faster* machining – *Improved* finishes

Applications

- ✓ Milling
- ✓ Drilling
- ✓ Tapping
- ✓ Grinding
- ✓ Rollforming
- ✓ Forming
- ✓ Circular Sawing
- ✓ Band sawing
- ✓ Reaming
- ✓ Punching
- ✓ Bending
- ✓ Stamping

Directions For Use

ML-600 is used as received. The lubricant is typically applied directly to the cutting tool through an adjustable applicator that does not atomize. The lubricant must contact the tool before cutting or forming begins. Increasing the feed eliminates hot parts and reducing the feed eliminates hot tooling

Properties

| | | | |
|-------------------------|--------------------|------------------------------|-------|
| Appearance | Clear white liquid | Water Solubility | N/A |
| Odor | Bland | pH | N/A |
| Flash Point | 140°C | Viscosity (SUS @100f) | 140 |
| Specific Gravity | 0.839 | Acid Number | <0.05 |

Packaging ML-600 is available in 1 gallon containers, 5 gallon pails, 55 gallon drums and 330 gallon totes

Rev. 05/01/11

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.

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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MicroLubrication, now that's... **Clever.**

