



PRO-CHEM-CO, INC.

TECHNICAL DATA

MICROPRO-CUT 619

VEGETABLE-BASED MICROLUBRICANT

DESCRIPTION:

MICROPRO-CUT 619 is a vegetable-based microlubricant to cut/form/stamp aluminum, copper, and other soft metals. MICROPRO-CUT 619 has such exceptional boundary lubrication it is able to perform a multitude of metalworking operations using only “**drop**” quantities. Applied with any adjustable spray system that does not atomize, it will out perform water-soluble coolants. MICROPRO-CUT 619 is biodegradable, non-toxic, generates no disposal, and has virtually unlimited shelf life. MICROPRO-CUT 619 is made entirely from renewable and biodegradable resources.

BENEFITS:

- Outstanding lubricity
- Outstanding tool and die life
- Non-staining on all metals
- Annealable/Weldable (ashless)
- Versatile (cutting and forming)
- Exceptional part finishes
- Clean (produces dry chips)
- * Economical (drop usage)
- ** Minimal residue
- No disposal (consumed in operation)
- No post cleaning required
- No rancidity (contains no water)
- Non-hazardous (contains no oil)
- No corrosion (contains no water)
- No mixing or measuring (used as received)
- No mess
- Improved shop safety & cleanliness

* **A typical machine tool would use 1 to 2 ounces in an 8-hour shift.**

PRODUCT APPLICATIONS:

MICROPRO-CUT 619 has such exceptional lubricity that when applied precisely on tooling will perform virtually any cutting or forming operation on soft metals, wood, or plastics.

Cutting Operations:

- Sawing
- Tapping
- Piercing
- Drilling
- Milling
- Belt Grinding
- Reaming
- Boring
- CNC Machining
- Grooving
- Tool Grinding
- Profiling
- External Broaching
- Punching

Forming Operations:

- Stamping
- End Forming
- Roll Forming
- Coining
- Bending
- Extruding
- Drawing
- Spinning
- Blanking
- Swaging
- Spline Rolling
- Stretch Forming
- Hobbing
- Ironing

DIRECTIONS FOR USE:

MICROPRO-CUT 619 is ideally applied by adjustable spraying equipment with positive displacement pumps. It can also be applied by roller, drip, or immersion methods. Always apply to tooling before cutting or forming.

HOT PARTS = INCREASE FEED RATE
HOT TOOLING = REDUCE FEED RATE

PROPERTIES:

Appearance ----- Green, Clear Liquid
 Odor ----- None
 Solubility ----- Insoluble in Water
 Specific Gravity ----- 0.922

PACKAGING:

MICROPRO-CUT 619 is available in 6 X 1 gallon cases, 5-gallon pails, 55-gallon drums, totes.