



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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## PRODUCT DATA

# LUBRIPLATE SYN CUT-N-COOL

## HEAVY-DUTY NON-CHLORINATED SEMI-SYNTHETIC WATER-SOLUBLE CUTTING AND GRINDING FLUID

### DESCRIPTION

LUBRIPLATE SYN CUT-N-COOL is a high-lubricity, high-oil semisynthetic metalworking fluid. The formula delivers exceptional performance in a wide variety of machining and grinding applications on almost any substrate. LUBRIPLATE SYN CUT-N-COOL is extremely hard water stable and provides long sump life and a very low foam profile. LUBRIPLATE SYN CUT-N-COOL may be used on all ferrous and non-ferrous metals except magnesium.

### ADVANTAGES

- ⇒ Used to replace Straight Oils in most operations.
- ⇒ Increases Tool Life
- ⇒ Excellent Corrosion Inhibition
- ⇒ Excellent Finish in Machining and Grinding Operations
- ⇒ Better Cooling than Mineral Oil Based Cutting Fluids
- ⇒ Lasts 3-4 Times Longer Than Mineral Oil Based Products

### APPLICATIONS

LUBRIPLATE SYN CUT-N-COOL is suited for all types of machining processes including turning, milling, tapping, reaming, broaching, hobbing, and sawing. This product also works well in the various grinding processes, including centerless, cylindrical, surface, internal, belt and disc.

### RECOMMENDED STARTING DILUTIONS

Centerless, ID, OD, Surface Grinding	20:1 (5%)
Milling, Drilling, Turning	14:1 (7%)
Tapping, Reaming, Sawing	10:1 (10%)

*When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. Always replenish the coolant with a mixture of coolant and water, not just coolant or water. Never add coolant concentrate directly to the sump.*

### TYPICAL TEST DATA

PROPERTY	TEST METHOD	TYPICAL RESULTS*
Appearance	Visual	Amber
Residual Film	Visual	Soft, Fluid
pH @ 20:1 (5%)		9.5 ± 0.2
Specific Gravity		0.98 – 1.01
Lbs./Gallon		8.2 ± 0.1
Total Alkalinity (5%)		225-275
Refractive Index (5%)		4.10 - 4.30
Flash Point - COC	ASTM D-92	>212 F / (>100C)

### STORAGE & COMPATIBILITY

Store product at ambient/room temperature.

**LUBRIPLATE SYN CUT-N-COOL is NOT Compatible with Mineral Oil Based Cutting Oils. Drain and Clean Sumps Prior to Filling with SYN CUT-N-COOL.**

*Contact your LUBRIPLATE District Manager or LUBRIPLATE Tech Services for Assistance.*

### PACKAGING AVAILABLE

Carton 4/1 Gallon Jugs  
5 Gallon Pail  
55 Gallon Drum

### Part No.

L0510-057  
L0510-060  
L0510-062