

Typical Properties

|                                 |                   |
|---------------------------------|-------------------|
| Appearance                      | Clear Amber Fluid |
| Specific Gravity@60/60°F        | 1.090             |
| Density, lb/gal                 | 9.08              |
| Viscosity@100°F,SUS(cSt)        | 1500 (325)        |
| Phosphorus Content,%wt          | 1.2               |
| pH Value, Neat(5%Concentration) | 8.2 (8.0)         |
| Acid Value, meqKOH/g            | 72                |
| Total Alkalinity, meqKOH/g      | 7.5               |
| Std Packaging (NW / GW, Kg)     | 235.0 / 218.0     |

Product Description

**MAYLUBE S-830** is a synthetic E.P. and boundary lubricity agent designed to improve performance and finish on both ferrous and non-ferrous alloys . **MAYLUBE S-830** contains no chlorinated or sulfurized materials.

**MAYLUBE S-830** is a water soluble compound that produces transparent solutions in all dilutions and can be added directly to most semi-synthetic and synthetic fluid formulations (5 - 15% treat). However, **MAYLUBE S-830** is not compatible with total oil rejecting synthetics.

**MAYLUBE S-830** can also be used as a sump side additive for enhanced performance. A recommended treat would be 1 - 2 gallons per 100 gallons coolant sump. **MAYLUBE S-830** can be used in drawing operations that require an oil free, easily removed residual film (20 - 45% treat). Success has been seen in non-ferrous through stainless applications.

**MAYLUBE S-830** has replaced highly chlorinated drawing compounds in some of these areas.

**MAYLUBE S-830** has a synergistic effect in cutting applications with **MAYLUBE S-003**, at an approximately 1: 1 ratio. Total treat levels recommended would be 5% for light duty machining to 30% for tapping operations.

**Applications****Suggested Treat Rates, %wt**

|                         |         |
|-------------------------|---------|
| Sump Side Booster       | 1 - 2   |
| Light Duty Cutting Oils | 5       |
| Semi-Synthetic          | 5 - 15  |
| Synthetic               | 5 - 15  |
| Tapping                 | 20      |
| Drawing                 | 20 - 45 |

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