

MAYLUBE S-003
Synthetic Ester / Hydrocarbon
Aluminum Lubricity Additive

Maylube S-003 is a versatile synthetic additive designed to be incorporated in soluble oils, semi-synthetic, and synthetic products where there is a need to enhance or boost performance and finish in aluminum applications. **Maylube S-003** is oil and water soluble, making formulating premium products an easier task for the development chemist.

Maylube S-003 does not contain diethanolamine, chlorinated, sulfurized, and/or phosphorus containing materials. **Maylube S-003** can also be inverted by the addition of water to the product to create a thickened, yet clear, solution for stamping and drawing operations.

Maylube S-003 can be used as a sump side coolant performance booster at 0.25 – 1.00 % treat to the total system volume. Also, **Maylube S-003** acts as a desmut additive in cast iron applications at the same treat rates. **Maylube S-003** has exhibited a synergistic effect in machining operations when paired with **Maylube S-830** at a 1:1 ratio with the total additive level between 5-30%, depending on the severity of the application.

TYPICAL PROPERTIES

| Property | Result |
|------------------------------------|-------------------|
| Specific gravity @ 60/60°F | .094 |
| Density, lb/gal | 7.9 |
| Viscosity @ 100°F SUS (1:1 invert) | 300 (1,200) |
| Viscosity @ 100°F cSt (1:1 invert) | 65 (250) |
| Appearance | Clear Amber Fluid |
| Acid Value, meqKOH/g | 20 |
| Total Alkalinity, meqKOH/g | 9 |
| pH Value, 5% Concentration | 8.8 |

This product is to be kept from freezing.

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