**M-531**

**Oil Based Corrosion Inhibitor**

**PRODUCT DESCRIPTION**
M-531 is an oil-based package of corrosion inhibitors for petroleum and synthetic lubricants. M-531 provides outstanding non-staining properties with excellent demulsibility and filterability.

M-531 is very effective for napthenic, iso-paraffinic, PAO, etc. based lubricants.

**FEATURES**
- Excellent rust inhibitor
- Excellent non-staining properties
- Excellent filterability
- Can be used in hydraulic applications
- When added at recommended concentration to hydraulic fluids, does not affect emulsification, pour point, or viscosity at low temperatures
- Compatible with most mineral and synthetic oils
- Suitable for both operating and intermittent use conditions
- Resists gelling when contaminated with water

**TYPICAL APPLICATION**
M-531 can be used in a wide variety of industrial lubricant applications where excellent rust protection, filterability, and water resistance are required. In rust preventive applications it is particularly useful for coiled steel or stacked parts due to its outstanding non-staining properties.

M-531 is highly recommended for use in hydraulic fluids. M-531 is also ideally suited for formulating paper machine oils and circulating oils where good filterability, anticorrosion, thermal stability, and demulsification properties are required.

**SOLUBILITY**
Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

**METALS PROTECTED**
- Carbon steel
- Stainless steel
- Galvanized steel
- Aluminum
- Brass
- Copper
- Cadmium
- Magnesium
- Silver
- Zinc
- Solder
- Tin
- Lead
- Bronze

**TYPICAL PROPERTIES**
- **Appearance**: Brown viscous liquid
- **Density**: 7.6-8.0 lb/gal (0.91-0.96 kg/l)
- **Non-volatile Content**: 91-97%
TYPICAL PROPERTIES
When added at concentration level 2-5% by weight to Hydraulic or Gear oil

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<tr>
<th>ASTM D 1748</th>
<th>Corrosion Protection in Humidity Cabinet</th>
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<td>5 + days</td>
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<tr>
<th>ASTM D 1401</th>
<th>Water Separability of Petroleum and Synthetic Fluids</th>
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<td>• Does not cause emulsification</td>
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<td>• Does not affect oil water separability</td>
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PACKAGING AND STORAGE
M-531 is available in 5 gallon (19 liter) plastic pails and 55 gallon (208 liter) metal drums.

Store in a cool, less than 115°F (46°C), dry place away from any direct source of heat and moisture. M-531 should be sealed before storage. The shelf life is up to 24 months.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

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