



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 | • Copper | • Solder |
| • Stainless steel | • Cadmium | • Tin |
| • Galvanized steel | • Magnesium | • Lead |
| • Aluminum | • Silver | • Bronze |
| • Brass | • Zinc | |

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

ASTM D 1748 Corrosion Protection in Humidity Cabinet	5 + days
ASTM D 1401 Water Separability of Petroleum and Synthetic Fluids	• Does not cause emulsification • Does not affect oil water separability

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

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



Distributed by:



printed on recycled paper  100% post consumer

Revised: 3/3/14. ©Cortec Corporation 2012-2014. All rights reserved. Supersedes: 2/2/12.
Dieselall® is a trademark of Castrol. © 2014, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.

www.esvasolutions.com