

MOLYVAN[®] 3000

**Friction Reducer,
Antiwear Agent
& Antioxidant**

TECHNICAL DATA

MOLYVAN[®] 3000 Friction Reducer is an exceptional oil soluble molybdenum dithiocarbamate (MoDTC) friction reducer with antiwear and antioxidant properties. Its unique alkyl group structure allows for improved solubility in today's less polar base oils which makes it compatible with a wide range of automotive and industrial lubricants.

CHEMICAL COMPOSITION

Molybdenum dialkyldithiocarbamate

TYPICAL PROPERTIES

Appearance	Brown liquid
Color, 1.0 % in hexane	L5.0
Molybdenum Content, %	10.1
Sulfur, %:	10.7
Density @ 25 °C, Mg/m³	1.05
Viscosity at 100 °C, mm²/s	53.0
Flash Point, CCCFP, °C	166

*The analytical data listed above are not specifications

APPLICATIONS

- Passenger car motor oil
- Greases
- Heavy duty diesel engine oil*
- Industrial oils

*Use in Heavy Duty diesel engine oil requires assessment of corrosion performance in ASTM D6594

ADVANTAGES

- Excellent solubility at ambient and low temperatures
- Demonstrates outstanding friction reduction and aged oil friction retention properties in 5W-30 and 0W-20 motor oils compared to other molybdenum dithiocarbamates
- Shows accelerated film formation tendencies

SOLUBILITY

- Soluble in petroleum products
- * Please refer to the MOLYVAN[®] 3000 Brochure for solubility and performance information. [Click Here For Brochure](#)

STANDARD PACKAGING

425 lb drum

STORAGE AND HANDLING

STORAGE

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. This product has a tendency upon standing to exhibit some crystallization or gelling. If this happens, the product may be re-liquified by agitation and heating at 40 to 50 °C.

HANDLING

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

REGISTRATION

Please refer for section 15 of SDS for regulatory information

CONTACT INFORMATION

For samples, product information and/or technical service please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

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