

MOLYVAN[®] 822 NT

Friction Reducer
Antiwear Agent
Antioxidant

TECHNICAL DATA

MOLYVAN[®] 822 NT with improved oil solubility may be used to improve the friction, wear, and oxidation performance of automotive engine oils, industrial oils and greases.

CHEMICAL COMPOSITION

Oil Soluble Molybdenum Dithiocarbamate

TYPICAL PROPERTIES

Physical State	Liquid
Color	Brown
Density @ 25 °C, Mg/m ³	0.97
Viscosity at 100 °C, mm ² /s	12.0
Flash Point CCC, °C	159
Molybdenum Content, %	4.9
Sulfur Content, %	5.9

* The analytical data listed above are not specifications

APPLICATIONS

- Passenger Car Engine Oils
- Racing Oils
- Industrial Oils
- Greases

ADVANTAGES

- Exhibits exceptional friction reducing capabilities as demonstrated by SRV[®] and MTM friction testing
- Provides friction reducing performance in engine oils when used alone and in combination with other molybdenum and organic friction modifiers
- Contains no phosphorus and is compatible with automotive exhaust catalysts
- Imparts antioxidant and anti-wear properties to a finished oil, especially in the presence of ZDDP
- Demonstrates synergy with ashless dithiocarbamates by improving extreme pressure performance in greases via 4-Ball Weld and Timken tests
- Performs as supplemental anti-wear additive in 4-Ball Wear tests
- Reduces Low Speed Pre-Ignition (LSPI) frequency of engine oils

SOLUBILITY

- Soluble in mineral oils and most non-polar synthetic base oils.

STANDARD PACKAGING

- 425 lb drum

STORAGE AND HANDLING

STORAGE

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 of SDS) 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.

HANDLING

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 of SDS 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.

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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