



# VANLUBE® 9317

**High Temperature  
Antioxidant**

## TECHNICAL DATA

**VANLUBE® 9317** Lubricant Additive is a high molecular weight amine antioxidant designed to give excellent high temperature performance in synthetic lubricants. At high temperatures, it significantly reduces the sludge and varnish typically seen with more conventional amine antioxidants.

## CHEMICAL COMPOSITION

Organic amine compounds in a synthetic ester

## TYPICAL PROPERTIES

<b>Appearance</b>	Dark brown liquid
<b>Nitrogen, %</b>	1.91
<b>Viscosity at 100 °C, mm<sup>2</sup>/s</b>	128
<b>Flash Point (PMCC), °C</b>	254

\* The analytical data listed above are not specifications

## APPLICATIONS

- Aviation
- Grease
- Compressor Oils
- Synthetic Lubricants
- Engine Oils

## RECOMMENDED TREAT RATE

- 0.5 - 4.0%

## ADVANTAGES

- Effective oxidation control at higher temperatures
- Excellent deposit and sludge control shown in ASTM D7097 TEOST® MHT-4 and ASTM D2070 Standard Test for Thermal Stability of Hydraulic Oils
- Exhibits great seal compatibility proven in ASTM D7216 Standard Test Method for Determining Automotive Engine Oil Compatibility with Typical Seal Elastomers
- Liquid for easy handling

## SOLUBILITY

- Mineral oils
- Synthetic polyol-based esters
- Insoluble in water

## STANDARD PACKAGING

- 400 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.

## 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:

**Vanderbilt Chemicals, LLC**  
30 Winfield Street, P.O. Box 5150  
Norwalk, CT 06856-5150  
P: (203) 853-1400  
F: (203) 853-1452  
[www.vanderbiltchemicals.com](http://www.vanderbiltchemicals.com)

**Vanderbilt (Beijing) Trading, Ltd**  
Room 220A, Tower A  
No. 8 Hengfeng Road  
Science Town, Fengtai District  
Beijing 100070 P. R. China  
P: 011- 86 10 56541176  
F: 011- 86 10 56541175

**Vanderbilt Worldwide Ltd**  
12 Park House Alvaston Business Park, Middlewich Road  
Nantwich, Cheshire, CW5 6PF  
United Kingdom  
[www.vanderbiltworldwide.com](http://www.vanderbiltworldwide.com)