



VANLUBE® RD-HT

**High Temperature
Antioxidant**

TECHNICAL DATA

VANLUBE® RD-HT Antioxidant is a powerful antioxidant for high temperature applications where synthetic lubricants are found. It exhibits outstanding performance in various oxidation tests when formulated in synthetic base stocks or petroleum and synthetic based greases.

CHEMICAL COMPOSITION

Aromatized 1,2-dihydro-2,2,4-trimethylquinoline polymer with predominantly 2 to 6 monomer units

TYPICAL PROPERTIES

Appearance	Amber pastilles
Density @ 25°C, Mg/m³	1.06
Softening Point, °C	115-135
Density, Mg/m³	1.06

*The analytical data listed above are not specifications

APPLICATIONS

- Petroleum and synthetic base lubricating greases
- Synthetic lubricants
- Industrial fluids
- Glycol based brake fluids

ADVANTAGES

- Inhibits oxidation in polyglycols, PAG fluids, and diester synthetic lubricants
- Acts as high temperature antioxidant in petroleum and synthetic base greases
- Offers excellent treat cost in ASTM D3527 with greases made from naphthenic and Group I oils
- Demonstrates no harm in ASTM D2070 or ICI Thermal Stability Tests
- Provides exceptional PDSC performance in base fluids containing Group II and oil soluble polyalkylene glycols
- Prevents the depolymerization of polyoxyethylene and similar polymers
- Can be suitable for ashless applications
- Performs synergistically with alkylated phenyl-alpha-naphthylamine (**VANLUBE® 1202**)

SOLUBILITY

- Soluble in PAG and ester base stocks. Soluble in hydrocarbon solvents.
- Insoluble in water

STANDARD PACKAGING

- 55lb bag

STORAGE AND HANDLING

STORAGE

Do not store above the following temperature: 38°C (100.4°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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

Put on appropriate personal protective equipment (see Section 8 of SDS). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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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