**VANLUBE® RI-G**

Rust Inhibitor

---

**TECHNICAL DATA**

**VANLUBE® RI-G** Lubricant Additive has been specifically designed to provide excellent rust inhibition for grease. It is a special blend of rust inhibitor and fatty acid derivative of 4,5-dihydro-1H-imidazole, with strong ferrous metal surface adsorption and film forming capability. It is compatible with other **VANLUBE®** extreme pressure, antioxidant and antiwear additives.

---

**CHEMICAL COMPOSITION**

Fatty acid derivative of 4,5-dihydro-1H-imidazole

---

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Amber liquid</td>
</tr>
<tr>
<td><strong>Density @ 15.6 °C, Mg/m³</strong></td>
<td>0.95</td>
</tr>
<tr>
<td><strong>Viscosity at 100 °C, mm²/s</strong></td>
<td>118</td>
</tr>
<tr>
<td><strong>Flash Point, PMCC, °C</strong></td>
<td>271</td>
</tr>
<tr>
<td><strong>Nitrogen Content, %</strong></td>
<td>3.2</td>
</tr>
</tbody>
</table>

*The analytical data listed above are not specifications*

---

**APPLICATIONS**

- Grease
- Gear Oil
- Hydraulic Oil
- Rust preventative applications

---

**RECOMMENDED TREAT RATES**

- 0.1 – 1.0 %

---

**ADVANTAGES**

- Features a low treat cost for use in grease to pass ASTM D1743 in lithium, lithium complex, calcium, aluminum, clay, and polyurea base greases
- Provides a low treat cost to pass ASTM D5969, when combined with an appropriate sulfonate
- Represents a low cost solution to pass ASTM D6138 EMCOR Test
- Suitable for ashless formulations
- Can be used in greases with a variety of thickener systems
- Offers global registration

---

**SOLUBILITY**

- Soluble in petroleum lubricant bases
- Insoluble in water
- May influence worked stability and dropping point in some polyurea and clay greases but is neutral in all other thickeners

---

*Please see user advisory on next page.*
STANDARD PACKAGING

• 425 lb Drum

STORAGE AND HANDLING

STORAGE

Do not store above the following temperature: 30°C (86°F). 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

Put on appropriate personal protective equipment (see Section 8 of SDS). 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.

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

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

Before using, read, understand and comply with the information and precautions in the Safety Data Sheets, label and other product literature. The information presented herein, while not guaranteed, was prepared by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, is made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Vanderbilt Chemicals, LLC does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.