

VANLUBE® RI-ZSN

**Rust and Corrosion
Inhibitor, Demulsifier**

TECHNICAL DATA

VANLUBE® RI-ZSN Lubricant Additive is a neutral zinc salt of high purity synthetic dinonylnaphthalene sulfonic acid. It is a classic amphiphilic molecule with a strong polar sulfonate group for metal surface affinity at one end, and an oleophilic portion of dinonylnaphthalene at the other end to form a surface protective monolayer.

CHEMICAL COMPOSITION

Zinc Dinonylnaphthalene Sulfonate in mineral oil

TYPICAL PROPERTIES

Physical State	Clear Liquid
Appearance	Dark Brown
Zinc, %	2.5 - 3.0
Sulfonate, %	40.0 - 42.0
Density at 15.5°C, Mg/m ³	0.97
Viscosity at 100°C, mm ² /s	32
Flash Point, COC, °C	>160

*The analytical data listed above are not specifications

APPLICATIONS

- Hydraulic Fluids
- Industrial Oils
- Engine Oils
- Metal Working Fluids
- Greases
- Rust Preventatives

RECOMMENDED TREAT RATES

- For most industrial oils (hydraulic oils, R&O, circulating oils, compressor oils, industrial gear oils and many others), the typical treat rate ranges from 0.10 wt% to 1.0 wt%
- For lubricating greases, the typical treat rate ranges from 0.5 wt% to 2.0 wt%.
- For rust preventives, the typical treat rate ranges from 0.5 wt% to 20 wt%, depending on the specific application

ADVANTAGES

- Imparts excellent rust inhibition and water resistance properties to a wide variety of lubricants
- Enhances the oxidative stability and EP/AW performance of lubricants when used in combination with primary antioxidants and other EP/AW additives.



SOLUBILITY

- Soluble in both mineral and synthetic base oils

STANDARD PACKAGING

- Metal Drums
- Bulk

HANDLING AND STORAGE

- Please refer to section 7 of SDS for handling and storage information.
- Long Term Storage Temperature is Room Temperature
- Short Term Maximum Temperature is 75°C

REGISTRATION

Please refer to 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