

VANLUBE[®] RI-CSN

**Rust Inhibitor,
Corrosion Inhibitor**

TECHNICAL DATA

VANLUBE[®] RI-CSN is a neutral calcium salt of high purity synthetic dinonylnaphthalene sulfonic acid. It is a classic amphiphilic molecule with a strong polar group for metal surface affinity at one end, and an oleophilic portion of dinonylnaphthalene at the other end to form a surface-protective monolayer. The sulfonate monolayer formed on the metal surface effectively reduces the permeation of oxygen and water to the metal surface, which essentially eliminates the wet oxidation process.

CHEMICAL COMPOSITION

Calcium Dinonylnaphthalene Sulfonate

TYPICAL PROPERTIES

Physical State	Liquid
Appearance	Dark Brown
Calcium, %	2.1
Sulfonate, %	51.0
Density @ 15.6°C, Mg/m ³	0.98
Viscosity @ 100°C, mm ² /s	80
Flash Point, COC, °C	>160

*The analytical data listed above are not specifications

APPLICATIONS

- Engine oils
- Industrial oils
- Greases
- Hydraulic oils
- Metal Working Fluids (both drawing and cutting applications)
- Rust preventives

RECOMMENDED TREAT RATES

- Typical range is 0.25 to 1.0 wt. % as rust inhibitor, 0.5 to 20% as rust preventive, but can vary based on formulation style and application.

ADVANTAGES

- Works as excellent rust and corrosion inhibitor
- Performs well in most mineral and synthetic oil based products
- Offers high purity from synthetic raw materials
- Provides good water resistance and separation capability



SOLUBILITY

- Soluble in mineral and synthetic base oils and solvents

STANDARD PACKAGING

- 397 lb. drums and bulk

HANDLING AND STORAGE

STORAGE

Please refer to Section 7 of SDS for handling and storage information.

HANDLING

Suggested pumping temperature is room temperature. Short and long term maximum handling temperatures are 80°C and 40°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