

# VANLUBE® RI-CSN

Rust Inhibitor, Corrosion Inhibitor TECHNICAL DATA

**VANLUBE® RI-CSN** is aneutral 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/m³	0.98
Viscosity @ 100°C, mm²/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:

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