

# Product Data Sheet



## NA-SUL<sup>®</sup> CA/W1935

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**NA-SUL CA/W1935** is a 100% active synergistic preparation of rust and corrosion inhibitors designed for formulating premium quality slushing oils, greases and rust preventive fluids.

### CHEMICAL

**COMPOSITION:** Calcium dinonylnaphthalenesulfonate in a petroleum oxidate.

**APPEARANCE:** Brown amorphous waxy solid.

### TYPICAL

<b>PROPERTIES:</b>	Calcium Content	1.5%
	Viscosity @ 100°C (ASTM D 1824)	400 mm <sup>2</sup> /s (cSt)
	Density @ 100°C	0.91 g/ml
	Weight Per Gallon @ 100°C (ASTM D 1475)	7.6 lbs
	Melting Point (ASTM D 127)	40°C (104°F)
	Flash Point, COC (ASTM D 92, DIN 51 376)	175°C (347°F)

Note: The above analytical data are not specifications.

		<u>Typical Treat Levels</u>
<b>APPLICATIONS:</b>	Greases	0.5% - 3.0%
	Slushing Oils and Rust Preventive Fluids	5.0% - 25.0%

**NA-SUL CA/W1935** is an outstanding water displacing rust and corrosion inhibitor used for formulating rust preventive fluids and greases. **NA-SUL CA/W1935** can be used in combination with waxes, oxidized petrolatums, and resins to formulate oil-based or solvent-based rust preventive fluids. Therefore, this product is suitable for use as an additive in rust preventive fluids which need to perform extremely well under conditions ranging from indoor humid conditions to the most severe outdoor ambient atmospheres. For formulating rust preventive oils based on high paraffinic base oils, it is highly recommended to use **NA-SUL CA/W1935** in combination with neodecanoic acid to avoid formation of haze.

When heated above its melting point, **NA-SUL CA/W1935** rapidly dissolves in most petroleum lubricants which may then be cut back with solvent to form outstanding, stable rust preventive oils.

**NA-SUL CA/W1935** has been successfully incorporated into a variety of products including greases, hot-melt rust preventive systems and temporary coatings. When properly formulated, **NA-SUL CA/W1935** will provide protection in atmospheres ranging from acidic and severe coastal areas to moderately humid climates. In addition, **NA-SUL CA/W1935** has excellent moisture displacing properties.

**NA-SUL CA/W1935** is highly recommended as a rust inhibitor in grease applications. It improves salt water corrosion resistance of greases without adversely affecting the low temperature torque and water washout properties.

(see reverse side)

# NA-SUL<sup>®</sup> CA/W1935

- ADVANTAGES:**
- \* Excellent rust and corrosion inhibitor
  - \* Relatively low melting point
  - \* Useful for both thin and thick film rust preventive fluids
  - \* Very good water displacing properties
  - \* Improves resistance to water washout of greases
- TEST RESULTS:** Technical reports are available from King Industries and can be requested by contacting the offices shown below.
- SOLUBILITY:** Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.
- STANDARD PACKAGING:** 440 lbs (200 kg) closed head drum.
- STORAGE CONDITIONS:** Store in a cool, dry place away from any direct source of heat and moisture. Maximum recommended storage temperature: 46°C (115°F)
- SHELF LIFE:** Best if used within 3 years from the date of manufacture.
- HANDLING:** Avoid all personal contact. Observe good personal hygiene. For additional information, it is advised to consult the Material Safety Data Sheet (MSDS) for **NA-SUL CA/W1935**.
- REGISTRATION:** Please refer to Section 15 of the Material Safety Data Sheet for information.

For Samples or Technical Service, contact King Industries or your King representative.

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