

NA-SUL[®] CA/W1935

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

PROPERTIES:	Calcium Content	1.5%
	Acid Number (ASTM D974)	60 mg KOH/g
	Viscosity @ 100°C (ASTM D1824)	400 mm ² /s (cSt)
	Density @ 100°C	0.91 g/ml
	Weight Per Gallon @ 100°C (ASTM D1475)	7.6 lbs
	Melting Point (ASTM D127)	40°C (104°F)
	Flash Point, COC (ASTM D92, DIN 51 376)	175°C (347°F)

Note: The above analytical data are not specifications.

		<u>Typical Treat Levels</u>
APPLICATIONS:	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, it 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 Group II, III, or IV 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 effecting the low temperature torque and water washout properties.

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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: 420 lbs (191 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 Safety Data Sheet (SDS) for **NA-SUL CA/W1935**.

REGISTRATION: Please refer to Section 15 of the Safety Data Sheet for information.

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

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