

Product Data Sheet

NA-SUL[®] CAW1213



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NA-SUL CAW1213 is a liquid, wax containing rust preventive additive specifically designed for formulating rust preventive fluids for use in harsh environments, such as salt fog exposure. It is also recommended for use in high humidity or normal indoor storage.

CHEMICAL

COMPOSITION: Calcium alkylarylsulfonate/carboxylate and petroleum oxidates.

APPEARANCE: Viscous, clear brown liquid.

TYPICAL

PROPERTIES:	Calcium Content	1.4%
	Acid Number (ASTM D974)	83 mg KOH/g
	Viscosity @ 100°C (ASTM D445, DIN 51550)	350 mm ² /s (cSt)
	Density @ 25°C (ASTM D4052)	0.97 g/ml
	Weight Per Gallon @ 25°C	8.1 lbs
	Flash Point, COC (ASTM D92, DIN 51376)	165°C (329°F)

Note: The above analytical data are not specifications.

APPLICATIONS: Slushing Oils and Rust Preventive Fluids

Typical Treat Levels
2.0% - 25.0%

NA-SUL CAW1213 shows outstanding rust and corrosion resisting properties when exposed to harsh environments, such as salt fog. **NA-SUL CAW1213** forms extremely hydrophobic thin films giving superior metal protection in harsh salt environments as well as in 100% humidity conditions. **NA-SUL CAW1213** has much improved solubility in highly paraffinic oils compared to other wax containing additives. It is recommended to check rust preventive fluids based on **NA-SUL CAW1213** for compatibility with chemicals that may contaminate the fluid in actual use. This is particularly important for highly alkaline contaminants.

ADVANTAGES:

- * **Excellent rust and corrosion inhibitor**
- * **Improved solubility in paraffinic oils**
- * **Excellent salt fog protection**

(see reverse side)

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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) open head drum.

STORAGE CONDITIONS: Store in a cool dry place away from any direct sources 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 CAW1213**.

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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