

Product Data Sheet

NA-SUL[®] CA/W1146 (Formerly KX1146)



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NA-SUL CA/W1146 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 less demanding applications such as high humidity or normal indoor storage. It is not recommended for applications where oil or oil/solvent solutions of **NA-SUL CA/W1146** will be heavily contaminated with water.

CHEMICAL

COMPOSITION: Calcium alkylarylsulfonate/carboxylate and petroleum oxidates.

APPEARANCE: Viscous, clear brown liquid.

TYPICAL

PROPERTIES:	Calcium Content	2.0%
	Viscosity @ 100°C (ASTM D 445, DIN 51550)	350 mm ² /s (cSt)
	Density @ 25°C (ASTM D 4052)	0.97 g/ml
	Weight Per Gallon @ 25°C	8.1 lbs
	Flash Point, COC (ASTM D 92, DIN 51376)	165°C (329°F)

Note: The above analytical data are not specifications.

APPLICATIONS:	Slushing Oils and Rust Preventive Fluids	<u>Typical Treat Levels</u> 2.0% - 25.0%
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KX1146 shows outstanding rust and corrosion resisting properties when exposed to harsh environments, such as salt fog. **NA-SUL CA/W1146** has much improved solubility in highly paraffinic oils compared to other wax containing additives. **NA-SUL CA/W1146** forms extremely hydrophobic thin films giving superior metal protection in harsh salt environments as well as in 100% humidity conditions. It is recommended to check rust preventive fluids based on **NA-SUL CA/W1146** 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: 430 lbs (195 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 Material Safety Data Sheet (MSDS) for **NA-SUL CA/W1146**.

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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