

Product Data Sheet

NA-SUL[®] CA-1259



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NA-SUL CA-1259 is a high performance liquid rust and corrosion inhibitor for rust preventives and dewatering fluids. It offers excellent solubility in a wide range of mineral oils, esters and vegetable oils. **NA-SUL CA-1259** is less viscous than many other additives of its type and may be able to be cold blended into oils. This results in lower energy cost and faster processing. **NA-SUL CA-1259** has an exceptional ability to help to separate water from oil and oil/solvent solutions, making it very suitable for dewatering fluid applications. ***The solubility of NA-SUL CA-1259 should be verified in the diluents that are being considered for use.***

CHEMICAL

COMPOSITION: Calcium dinonylnaphthalenesulfonate/carboxylate in light mineral oil.
Contains <10% waxy materials.

APPEARANCE: Dark brown viscous liquid.

TYPICAL

PROPERTIES:	Calcium Content	1.5%
	Acid Number (ASTM D974)	90 mg KOH/g
	Viscosity @ 40°C (ASTM D445, DIN 51550)	1495 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D445, DIN 51550)	62 mm ² /s (cSt)
	Specific Gravity @ 40°C (ASTM D4052)	0.96
	Specific Gravity @ 100°C (ASTM D4052)	0.92
	Weight Per Gallon @ 25°C	8.1 lbs
	Flash Point, COC (ASTM D92, DIN 51376)	160°C (320°F)
	Moisture Content (ASTM E1064)	0.05%

Note: The above analytical data are not specifications.

APPLICATIONS:	Rust Preventive Fluids	<u>Typical Treat Levels</u> 1.0% - 20.0%
	Dewatering Fluids	2.0% - 15.0%

NA-SUL CA-1259 is a highly effective liquid rust and corrosion inhibitor that can be used in a variety of petroleum, vegetable based or synthetic diluents. It resists gelling when exposed to water and therefore can be used in high moisture applications such as rust preventives associated with wet parts. It is particularly recommended where water displacement is important. ***Contamination with some metalworking fluids may cause gelling. Compatibility with possible contaminants or other process chemicals should also be verified prior to use.***

(see reverse side)

ADVANTAGES:

- * **Excellent general purpose thin film rust inhibitor**
- * **Excellent water displacement**
- * **Liquid, minimizing the need for heating prior to use**
- * **Excellent solubility enables use in a wide variety of diluents**
- * **Resists gelling in the presence of bulk water**

TEST RESULTS: Technical reports are available from King Industries and can be requested by contacting the offices shown below.

SOLUBILITY: Soluble in most mineral oils, vegetable based fluids, esters 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 (191kg) closed 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 CA-1259**.

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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