

Product Data Sheet

NA-SUL[®] 707



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NA-SUL 707 is a low ash rust inhibitor offering good high temperature stability in lubricating oils and greases. It is extremely effective in retarding bleeding of greases, especially in lithium soap greases, and gives excellent grease penetration stability.

CHEMICAL

COMPOSITION: Lithium dinonylnaphthalenesulfonate in light mineral oil.

APPEARANCE: Clear brown viscous liquid.

TYPICAL

PROPERTIES:	Lithium Content	0.76%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	2100 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	63 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.97 g/ml
	Weight Per Gallon @ 25°C	8.1 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	165°C (329°F)

Note: The above analytical data are not specifications.

APPLICATIONS:	Rust Preventive Fluids	<u>Typical Treat Levels</u> 1.00% - 15.0%
	Lithium Greases	0.50% - 3.0%

NA-SUL 707 is a very low ash rust and corrosion inhibitor for lubricating oils and greases. It is ideally suited for formulating lithium soap greases where excellent anti-bleed and penetration stability properties are required. **NA-SUL 707** also offers very good high temperature stability in synthetic lubricants such as those based on diesters.

ADVANTAGES:

- * **Excellent rust inhibitor**
- * **Effectively retards bleeding in lithium soap greases**
- * **Excellent grease penetration stability**
- * **Easy handling**
- * **Excellent solubility in synthetic and highly paraffinic base stocks**

(see reverse side)

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TEST RESULTS:

FORMULATIONS	--	0.5% NA-SUL 707	1.0% NA-SUL 707	1.5% NA-SUL 707
TEST				
Base Grease	NLGI Reference Grease A-2	NLGI Reference Grease A-2	NLGI Reference Grease A-2	NLGI Reference Grease A-2
Oil Separation (ASTM D 1742)	8.0%	2.9%	1.8%	0.4%

The results shown reflect data generated by King Industries' Technical Service Laboratory. Actual results may vary depending on the additive package, base oil, and test equipment design.

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 707**.

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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