

Product Data Sheet

NA-SUL[®] CA-770FG



Nonfood Compounds
(Category Code: HX-1)
(Registration #143718)



Science Road
Norwalk, CT 06852
(800) 431-7900
Fax: (203) 866-0425
E-Mail: lad@kingindustries.com

NA-SUL CA-770FG is a premium rust inhibitor for petroleum and synthetic lubricants, greases, and rust preventive fluids. It provides excellent demulsibility and filterability and is compatible with a wide range of additives and base stocks.

CHEMICAL

COMPOSITION: Neutral calcium alkylnaphthalenesulfonate in polyalphaolefin (PAO) fluid.

APPEARANCE: Clear brown viscous liquid.

TYPICAL

PROPERTIES:	Calcium Content	1.65%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	214 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	26 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.91 g/ml
	Weight Per Gallon @ 25°C	7.6 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	165°C (329°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS:	
Rust Preventive Fluids	1.00% - 10.0%
Hydraulic Fluids	0.05% - 0.5%
Circulating Oils	0.05% - 1.0%
Compressor Oils	0.25% - 1.0%
Greases	0.50% - 3.0%
Gear Oils	0.10% - 1.0%

NA-SUL CA-770FG is designed for formulating food grade lubricants that require rust protection, demulsibility, filterability and water resistance at low treat levels. Although it is approved for use up to 10% if required, **NA-SUL CA-770FG** will pass the ASTM D 665B rust test in white mineral oil and PAO base oils at 0.10 - 0.20% additive level.

ADVANTAGES:

- * **Compliance with the Food and Drug Administration Regulation 21 CFR 178.3570**
- * **Excellent rust inhibitor with outstanding demulsification properties**
- * **Excellent filterability, both dry and wet**
- * **Excellent thermal and hydrolytic stability**
- * **Excellent solubility in PAO and white oil base stocks**

(see reverse side)

NA-SUL[®] CA-770FG

- 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:** 400 lbs (181 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-770FG**.
- 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.

King Industries, Inc.
Science Road
Norwalk, CT 06852-0588
Tel: 203-866-5551
Fax: 203-866-0425
E-mail: LAD@kingindustries.com

King Industries International, Inc.
Science Park 402,
1098 XH Amsterdam
The Netherlands
Tel: +31-20-723-1970
E-mail: info@kingintl.nl

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