

Product Data Sheet



NA-SUL[®] MG

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NA-SUL MG is a premium low ash rust inhibitor for industrial lubricants, greases and rust preventive fluids. It provides excellent resistance to water.

CHEMICAL

COMPOSITION: Neutral magnesium dinonylnaphthalenesulfonate in light mineral oil.

APPEARANCE: Clear brown viscous liquid.

TYPICAL

PROPERTIES:	Magnesium Content	1.3%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	3300 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	80 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.98 g/ml
	Weight Per Gallon @ 25°C	8.2 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% - 15.0%
Hydraulic Fluids	0.05% - 0.5%
Circulating Oils	0.05% - 1.0%
Greases	0.50% - 3.0%

NA-SUL MG is used in industrial lubricants where both excellent rust protection and demulsibility are required. **NA-SUL MG** is an excellent rust inhibitor for formulating circulating oils, hydraulic oils, paper machine oils, and industrial and automotive gear oils. Among the related products, it has the lowest ash content. In rust preventive fluids, **NA-SUL MG** has an unusual ability to absorb moisture into the coating resulting in a tough, water-resistant film. This is particularly effective in rust preventive applications continually exposed to water, such as ballast tank coatings.

ADVANTAGES:

- * **Low ash content**
- * **Excellent rust inhibitor**
- * **Good demulsibility**
- * **Excellent filterability and hydrolytic stability**
- * **Excellent synergy with other antirust additives**
- * **Promotes the formation of highly water-resistant films**
- * **Excellent solubility in a wide range of base stocks**

(see reverse side)

NA-SUL[®] MG

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: 440 lbs (200 kg) open 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 MG**.

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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Revision date: 26 JUL 2004

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