

# Product Data Sheet

## NA-SUL<sup>®</sup> MG-HT



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**NA-SUL MG-HT** is a high performance rust and corrosion inhibitor offering exceptional rust protection with outstanding high temperature stability and good demulsibility.

### CHEMICAL

**COMPOSITION:** Magnesium dinonylnaphthalenesulfonate/carboxylate in light mineral oil.

**APPEARANCE:** Clear brown viscous liquid.

### TYPICAL

<b>PROPERTIES:</b>	Magnesium Content	1.7%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	3200 mm <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	75 mm <sup>2</sup> /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>
<b>APPLICATIONS:</b> Rust Preventive Fluids	1.00% - 15.0%
Hydraulic Fluids	0.05% - 0.5%
Circulating Oils	0.05% - 1.0%
Greases	0.50% - 3.0%
Industrial and Automotive Gear Oils	0.10% - 1.0%

**NA-SUL MG-HT** is an excellent rust and corrosion inhibitor when used in a variety of petroleum and synthetic lubricants. **NA-SUL MG-HT** is also ideally suited for formulating hydraulic oils, circulating oils, gear oils and greases where good anticorrosion, hydrolytic stability and thermal stability are required. **NA-SUL MG-HT** performs very well in acidic and neutral conditions and exhibits outstanding high temperature stability. **NA-SUL MG-HT** can also be used to stabilize chlorinated paraffins regarding HCl corrosivity and staining.

**ADVANTAGES:**

- \* Excellent rust and corrosion inhibitor
- \* Good demulsibility
- \* Easy handling
- \* Low odor
- \* Excellent thermal and oxidative stability
- \* Excellent solubility in a wide range of base stocks

(see reverse side)

# NA-SUL<sup>®</sup> MG-HT

- 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) 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 MG-HT**.
- 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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