

# Product Data Sheet

## NA-SUL<sup>®</sup> AS



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**NA-SUL AS** is an ashless rust and corrosion inhibitor for industrial lubricants, distillate fuels, and metalworking specialties.

### CHEMICAL

**COMPOSITION:** Proprietary preparation of dinonylnaphthalenesulfonic acid and ammonia in light mineral oil.

**APPEARANCE:** Clear brown viscous liquid.

### TYPICAL

<b>PROPERTIES:</b>	Nitrogen Content	1.5%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	2100 mm <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	60 mm <sup>2</sup> /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.96 g/ml
	Weight Per Gallon @ 25°C	8.0 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> Compressor Oils	0.10% - 1.0%
2-Cycle Oils	0.10% - 2.0%
Rolling Oils	0.10% - 1.0%
Rust Preventive Fluids	5.00% - 15.0%
Greases	0.50% - 3.0%
Fuels	0.05% - 1.5%

**NA-SUL AS** is an ashless sulfonate with unique performance properties. It is used as a rust and corrosion inhibitor in a wide range of lubricants, greases, rust preventive fluids, and as an antistall or deicing agent in distillate fuels. **NA-SUL AS** can also be used as a supplemental rust inhibitor and demulsifier in paper machine lubricants and industrial gear oils.

**ADVANTAGES:**

- \* **Ashless rust inhibitor**
- \* **Imparts antistatic and deicing properties**
- \* **Excellent demulsification properties**
- \* **Easy to handle**

(see reverse side)

## NA-SUL<sup>®</sup> AS

**SOLUBILITY:** Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Slightly soluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

**STANDARD PACKAGING:** 430 lbs (195 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 AS**.

**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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