

# Product Data Sheet

## NA-LUBE<sup>®</sup> KR-015



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**NA-LUBE KR-015** is a specialty additive for high performance lubricants offering outstanding solubility plus excellent hydrolytic and thermo-oxidative stability.

### CHEMICAL

**COMPOSITION:** Proprietary alkylated aromatic.

**APPEARANCE:** Light amber liquid.

### TYPICAL

<b>PROPERTIES:</b>	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	114 mm <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	13.5 mm <sup>2</sup> /s (cSt)
	Viscosity Index (Calculated)	110
	Pour Point (ASTM D 97)	-39°C
	Aniline Point (ASTM D 611)	94°C (201°F)
	Density @ 25°C (ASTM D 4052)	0.884 g/ml
	Weight Per Gallon @ 25°C	7.4 lbs.
	Flash Point, COC (ASTM D 92, DIN 51 376)	260°C (500°F)

Note: The above analytical data are not specifications.

<b>APPLICATIONS:</b>	Aviation Hydraulic Fluids	Compressor Oils
	Crankcase Oils	Greases
	High Temperature Turbine Oils	Refrigeration Oils
	Other High Performance Applications	Gear Oils

**NA-LUBE KR-015** is a synthetic alkyl aromatic additive with excellent thermal and hydrolytic stability. **NA-LUBE KR-015** can be used as a solubility modifier in formulations blended with low polarity base oils or severely hydrotreated base stocks to enhance additive response. The recommended treat level of **NA-LUBE KR-015** as a solubility modifier is between 5.0% and 15.0% depending on the application. **NA-LUBE KR-015** can also be used as a major base fluid for high temperature applications requiring exceptional thermo-oxidative stability.

- ADVANTAGES:**
- \* **Base oil solubility modifier**
  - \* **Improves additive response**
  - \* **Excellent thermal stability**
  - \* **Excellent hydrolytic stability**

(see reverse side)

## NA-LUBE® KR-015

- SOLUBILITY:** Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended that the solubility in the base oils used and the compatibility with other additives be verified.
- 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:** Minimum of 24 months from the date of manufacture, when stored at the above conditions in the original container.
- 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-LUBE KR-015**.
- 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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