

Product Data Sheet

NA-LUBE[®] KR-009



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

NA-LUBE KR-009 is a low viscosity and low volatility alkylated naphthalene for high performance lubricants offering outstanding solubility plus excellent hydrolytic and thermo-oxidative stability.

CHEMICAL

COMPOSITION: Proprietary alkylated naphthalene.

APPEARANCE: Light amber liquid.

TYPICAL

PROPERTIES:	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	36 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	5.6 mm ² /s (cSt)
	Viscosity Index (Calculated)	90
	Density @ 25°C (ASTM D 4052)	0.90 g/ml
	Weight Per Gallon @ 25°C	7.5 lbs.
	Flash Point, COC (ASTM D 92, DIN 51 376)	240°C (464°F)
	Pour Point (ASTM D 97)	-36°C (-32°F)
	Noack Volatility, % Loss (ASTM D 6375)	7.7 wt%

Note: The above analytical data are not specifications.

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

NA-LUBE KR-009 is a synthetic alkyl aromatic fluid with excellent thermo-oxidative and hydrolytic stability. It is recommended for use in synthetic lubricant applications requiring high stability and enhanced performance under severe operating conditions. The recommended treat level of **NA-LUBE KR-009** as a solubility modifier and as a performance enhancer is between 5.0% and 40.0% depending on the application.

- ADVANTAGES:**
- * **Low viscosity and low volatility**
 - * **Excellent solubility and performance enhancement**
 - * **Improves additive response**
 - * **Excellent thermo-oxidative stability**
 - * **Excellent hydrolytic stability**

(see reverse side)

NA-LUBE[®] KR-009

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-009**.

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.

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

NA-LUBE[®] is a registered trademark of King Industries, Inc.

v:\lad\Technical Literature\CurntTDS\NALUBE\KR\KR-009_01
Revision date: 04 FEB 2014

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.