

Product Data Sheet

NA-LUBE[®] AO-130

SAMPLE REQUEST



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

NA-LUBE AO-130 is a liquid diphenylamine based antioxidant for mineral oil and synthetic based lubricants and greases.

CHEMICAL

COMPOSITION: Nonylated diphenylamine.

APPEARANCE: Dark brown viscous liquid.

TYPICAL

PROPERTIES:	Nitrogen Content	3.5%
	Total Base Number (ASTM D 2896)	135 mg KOH/g
	Ash Content (ASTM D 482)	< 0.5%
	Color (ASTM D 1500 neat)	< 3.0
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	500 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	17 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.95 g/ml
	Weight Per Gallon @ 25°C	7.9 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: Hydraulic Fluids	0.2% - 0.5%
Compressor and Circulating Oils	0.2% - 0.8%
Paper Machine Oils	0.2% - 0.5%
Industrial and Automotive Gear Oils	0.2% - 0.5%
Engine Oils	0.2% - 0.5%
Greases	0.2% - 0.6%

NA-LUBE AO-130 imparts excellent oxidation resistance to lubricants and greases. It can be used alone or in combination with other antioxidant chemistries, such as NA-LUBE AO-242, in formulating a wide range of high temperature industrial lubricants and greases.

NA-LUBE AO-130 is a non-corrosive, readily soluble, easy to handle aminic antioxidant.

Most current oxidation stability performance standards for lubricants can be exceeded by using **NA-LUBE AO-130** in various combinations with NA-LUBE AO-242, rust inhibitor K-CORR[®] 1031, and yellow metal deactivator K-CORR NF-200.

- ADVANTAGES:**
- * **Excellent oxidation inhibition**
 - * **Easy to handle liquid**
 - * **100% active, mineral oil free**
 - * **Soluble in most standard base oil types**

(see reverse side)

NA-LUBE[®] AO-130

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: 419 lbs (190 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 2 years from the date of manufacture.

HANDLING: Avoid all personal contact. Observe good personal hygiene. For additional information, it is advised to consult the Safety Data Sheet (SDS) for **NA-LUBE AO-130**.

REGISTRATION: Please refer to Section 15 of the 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[®] and K-CORR[®] are registered trademarks of King Industries, Inc.

v:\lad\TechnicalLiterature\CurrtTDS\NALUBE\AO130_04
Revision date: 07 Nov 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.