

Product Data Sheet

NA-LUBE[®] EP-5316



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NA-LUBE EP-5316 is a light colored, low odor sulfurized fatty acid ester/fatty oil with excellent extreme pressure properties.

CHEMICAL

COMPOSITION: Sulfurized fatty acid ester/fatty vegetable oil.

APPEARANCE: Brown clear liquid.

TYPICAL

PROPERTIES:	Sulfur Content	16.0%
	Active Sulfur Content (ASTM D 1662)	5.0%
	Color (ASTM D 1500 neat)	3.5
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	265 mm ² /s (cSt)
	Density @ 20.0°C (ASTM D 941)	1.00 g/ml
	Weight Per Gallon @ 25°C	8.32 lbs.
	Flash Point, COC (ASTM D 92, DIN 51 376)	195°C (383°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Metalworking Fluids	4.0% - 10.0%
Water Miscible Metalworking Concentrates	5.0% - 20.0%
Industrial Gear Oils	1.0% - 1.2%
Slideway Oils	1.0% - 5.0%

NA-LUBE EP-5316 is a unique low odor, light colored sulfur carrier based on fatty acid ester chemistry. **NA-LUBE EP-5316** provides excellent extreme pressure and antiwear properties when used in combination with appropriate antiwear additives in industrial lubricants and metalworking fluids. **NA-LUBE EP-5316** is highly suitable for heavy duty drilling and cutting operations. **NA-LUBE EP-5316**'s unique chemistry gives it outstanding solubility in naphthenic and Group I base oils. Because of its novel chemistry, **NA-LUBE EP-5316** provides better lubricity than NA-LUBE EP-5216. When used in combination with metal-containing or ashless phosphorus-type antiwear and lubricity additives, **NA-LUBE EP-5316** is an outstanding alternative to chlorinated paraffins in metalworking fluids.

- ADVANTAGES:**
- * **Good extreme pressure properties**
 - * **Light color, low odor**
 - * **Easy handling, low viscosity**
 - * **Good solubility in Group I and naphthenic base oils**

(see reverse side)

NA-LUBE[®] EP-5316

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: 441 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: 30°C (86°F)

SHELF LIFE: Best if used within 1 year 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 EP-5316**.

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.

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