

# Product Data Sheet



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## NA-LUBE® AW-6310

**NA-LUBE AW-6310** is an ashless multifunctional additive for industrial and automotive lubricants and greases. **NA-LUBE AW-6310**, when used at very low treat levels, exhibits excellent extreme pressure and antiwear properties as determined with the FZG test rig. Additionally, **NA-LUBE AW-6310** imparts outstanding steel corrosion protection and demulsibility to lubricants based on Group I, II and synthetic base stocks.

### CHEMICAL

**COMPOSITION:** Proprietary preparation of sulfur-phosphorus-nitrogen containing chemistry.

**APPEARANCE:** Dark brown moderately viscous liquid.

### TYPICAL

<b>PROPERTIES:</b>	Sulfur Content	9.8%
	Phosphorus Content	4.2%
	Nitrogen Content	3.0%
	Viscosity @ 40°C (ASTM D445, DIN 51550)	115 mm <sup>2</sup> /s (cSt)
	Density @ 15.6°C (ASTM D4052)	0.994 g/ml
	Weight Per Gallon @ 25°C	8.26 lbs
	Mineral Oil Content	none
	Flash Point, COC (ASTM D92, DIN 51376)	130°C (266°F)

Note: The above analytical data are not specifications.

		<u>Typical Treat Levels</u>
<b>APPLICATIONS:</b>	Metalworking Fluids	0.20% - 1.0%
	Hydraulic Fluids	0.15% - 0.5%
	Circulating Oils	0.15% - 0.5%
	Paper Machine Oils	0.20% - 1.0%
	Industrial and Automotive Gear Oils	0.30% - 1.5%

**NA-LUBE AW-6310** is a multifunctional ashless lubricant additive exhibiting excellent extreme pressure, antiwear, rust inhibiting and demulsification properties. By virtue of its specially selected raw materials, **NA-LUBE AW-6310** is an excellent additive (when used in combination with well selected phenolic and aminic antioxidants) for formulating ashless high performance EP rust and oxidation oils, hydraulic oils, paper machine oils, circulating oils, industrial and automotive gear oils and greases. At a low treat level of 0.10 - 0.15% in a severely hydrotreated paraffinic ISO VG 46 base oil, **NA-LUBE AW-6310** displays outstanding FZG performance (higher than 12 load stages). **NA-LUBE AW-6310** can also be used for formulating chlorine-free metalworking fluids when used in combination with a NA-LUBE® EP-5000 Series product and a lubricity agent.

(see reverse side)

# NA-LUBE® AW-6310

- ADVANTAGES:**
- \* Ashless multifunctional lubricant additive
  - \* Outstanding extreme pressure/antiwear performance at low treat levels as determined with the FZG gear test rig
  - \* Excellent rust protection and demulsification properties
  - \* Good thermal and hydrolytic stability
  - \* Good solubility in mineral oils and synthetic base stocks

**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:** 440 lbs (200 kg) closed head drum.

**STORAGE CONDITIONS:** Store in a cool dry place away from any direct sources of heat and moisture. Maximum recommended storage temperature: 46°C (115°F)

**SHELF LIFE:** Best if used within 12 months 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 AW-6310**.

**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.

## Global Headquarters

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Revision date: 12 JUN 2018

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