

Product Data Sheet

NA-LUBE[®] AW-6509



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Nonfood Compounds
(Category Code: HX-1)
(Registration #149707)

NA-LUBE AW-6509 is an ashless antiwear and extreme pressure additive for industrial and automotive lubricants.

CHEMICAL

COMPOSITION: Triphenyl phosphorothionate.

APPEARANCE: White powder.

TYPICAL

PROPERTIES:	Sulfur Content	9.3%
	Phosphorus Content	8.9%
	Melting Point (DSC)	52°C
	Purity (HPLC)	98.5% min.
	Volatile (Gravimetric)	0.5% max.
	Density @ 25°C (ASTM D 2638)	1.19 g/cm ³
	Flash Point (Pensky Martens)	> 200°C

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Antiwear hydraulic fluids	0.20% - 1.00%
Greases	0.20% - 1.00%
Synthetic lubricants	0.20% - 1.00%
Engine Oils	0.30% - 1.00%

NA-LUBE AW-6509 is an ashless multifunctional additive that provides excellent antiwear and EP properties to mineral oil and most synthetic lubricants. **NA-LUBE AW-6509** is especially suited for formulating ashless lubricants that require high temperature performance.

NA-LUBE AW-6509 has better antiwear and frictional properties than a secondary ZnDTP and is not aggressive toward copper.

ADVANTAGES:

- * **Excellent thermal and hydrolytic stability**
- * **Offers low coefficient of friction**
- * **Compliant with the Food and Drug Administration Regulation 21 CFR 178.3570 up to a treat level of 0.5% by weight**
- * **Shows synergy in FZG performance with NA-LUBE AW-6400 FG**
- * **Responds synergistically with K-CORR 100 series to four ball wear performance.**

(see reverse side)

NA-LUBE AW-6509

SOLUBILITY: Soluble in mineral oil up to 2.0%. Soluble in water at less than 0.01%. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

STANDARD PACKAGING: 55 lbs (25 kg) cartons.

STORAGE CONDITIONS: Store in a cool, dry and well-ventilated place away from any direct source 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-6509**.

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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