

Product Data Sheet

K-CORR[®] NF-410



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

K-CORR NF-410 is a premium ashless liquid multifunctional additive providing extreme pressure properties and yellow metal protecting properties by scavenging active sulfur.

CHEMICAL

COMPOSITION: Sulfur and nitrogen based chemistry.

APPEARANCE: Clear light brown viscous liquid.

TYPICAL

PROPERTIES:	Sulfur Content	36.5%
	Nitrogen Content	6.5%
	Color (ASTM D 1500 neat)	2.0
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	500 mm ² /s (cSt)
	Density @ 20°C (ASTM D 941)	1.08 g/ml
	Flash Point, COC (ASTM D 92, DIN 51 376)	150°C (272°F)
	Mineral Oil Content	None

Note: The above analytical data are not specifications.

APPLICATIONS: Automotive & Industrial Gear Oils
Greases
Metalworking Fluids
Hydraulic Oils
Turbine and Compressor Oils

K-CORR NF-410 is an ashless, easy to handle, extreme pressure additive and an outstanding yellow metal protecting additive. **K-CORR NF-410** protects yellow metals and its alloys by scavenging the sulfur released by highly active sulfur carriers. To obtain maximum yellow metal protecting results, it is beneficial to use a combination of **K-CORR NF-410** and **K-CORR NF-200**, a barrier film yellow metal deactivator.

K-CORR NF-410 specifically exhibits excellent EP properties in polyglycol based lubricants and greases. **K-CORR NF-410** also provides outstanding FZG (ASTM D 5182) performance when used in mineral oils or synthetic base stocks.

K-CORR NF-410 protects oils from the catalytic pro-oxidant effects of dissolved copper ions. Even better protection can be obtained by using **K-CORR NF-410** in combination with **K-CORR NF-200**.

(see reverse side)

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Depending upon the base oil type and other additives used, the recommended treat level of **K-CORR NF-410** is 0.04% to 0.50% by weight. When using **K-CORR NF-410** as an EP additive, the recommended treat level is 1.0% to 3.0% by weight.

ADVANTAGES:

- * **Outstanding yellow metal protection by scavenging active sulfur released by sulfur carriers**
- * **Good extreme pressure additive**
- * **Water pollution Class 1 (see SDS)**
- * **Excellent solubility in different base stocks**
- * **Very good thermal and hydrolytic stability**

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: 500 lbs (227 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 18 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 **K-CORR NF-410**.

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

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