

# Product Data Sheet

## K-CORR<sup>®</sup> NF-400

SAMPLE REQUEST



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**K-CORR NF-400** 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

<b>PROPERTIES:</b>	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 <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	Not Determined
	Density @ 20°C (ASTM D 941)	1.08g/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-400** is an ashless, easy to handle, extreme pressure additive and an outstanding yellow metal protecting additive, **K-CORR NF-400** protects yellow metals and its alloys by scavenging the active 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-400** and **K-CORR NF-200**.

**K-CORR NF-400** specifically exhibits excellent EP properties in polyglycol based lubricants and greases. **K-CORR NF-400** also provides outstanding FZG performance when used in mineral oils or synthetic base stocks.

**K-CORR NF-400** protects oils from the catalytic pro-oxidants effects of dissolved yellow metal ions. Even better protection can be obtained by using **K-CORR NF-400** in combination with **K-CORR NF-200**.

(see reverse side)

## K-CORR<sup>®</sup> NF-400

Depending on the base oil type and other additives used, the recommended treat level of **K-CORR NF-400** is 0.04% to 0.50% by weight. When using **K-CORR NF-400** 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:** 440 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 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-400**.

**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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