K-CORR 100 is an ashless rust inhibitor for industrial and automotive lubricants and greases.

CHEMICAL COMPOSITION: Proprietary ester/amide/carboxylate chemistry.

APPEARANCE: Clear amber moderately viscous liquid.

TYPICAL PROPERTIES:
- Nitrogen Content: 2.7%
- Viscosity @ 40°C (ASTM D 445, DIN 51 550): 470 mm²/s (cSt)
- Viscosity @ 100°C (ASTM D 445, DIN 51 550): 22 mm²/s (cSt)
- Density @ 25°C (ASTM D 4052): 1.03 g/ml
- Weight Per Gallon @ 25°C: 8.6 lbs
- Acid Number, TAN (Potentiometric): 107 mg KOH/g
- Flash Point, COC (ASTM D 92, DIN 51 376): 165°C (329°F)
- Mineral Oil Content: None

Note: The above analytical data are not specifications.

APPLICATIONS:
- Hydraulic Fluids: 0.05% - 0.5%
- Circulating Oils: 0.05% - 1.0%
- Industrial and Automotive Gear Oils: 0.10% - 1.0%
- Paper Machine Oils: 0.25% - 1.0%
- Greases: 0.50% - 3.0%

K-CORR 100 is a 100% active ashless rust inhibitor with a relatively low acid number compared to succinic acid half esters. K-CORR 100 is an excellent rust inhibitor for formulating ashless rust and oxidation oils, hydraulic oils, paper machine oils, and industrial and automotive gear oils. K-CORR 100 displays synergistic effects in the Four Ball Wear (ASTM D 4172) test when used in combination with ashless phosphorus-containing antiwear additives or sulfur-containing EP additives. K-CORR 100 is well suited for formulating automotive CV-Joint greases used in combination with EP/AW additives.

ADVANTAGES:
- Ashless rust inhibitor with an acid number less than 110 mg KOH/g
- Good demulsification properties
- No detrimental effect on FZG performance
- Friction modifier when used in conjunction with EP/AW additives
- Good thermal and hydrolytic stability
- Biodegradability >90% per CEC-L-33-A-93

(see reverse side)
**K-CORR® 100**

**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.

**PACKAGING:** 420 lbs (191 kg) closed head drum.

**STORAGE CONDITIONS:** Formation of haze or crystallization may occur during storage. If this occurs, warming to 40-50ºC with agitation will reconstitute the product. Avoid overheating to temperatures above 60ºC. Store in a cool, dry place away from any direct source of heat and moisture. Maximum recommended storage temperature: 46ºC (115ºF).

**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 K-CORR 100.

**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. King Industries International, Inc.
Science Road Science Park 402,
Norwalk, CT 06852-0588 1098 XH Amsterdam
Tel: 203-866-5551 Tel: +31-20-723-1970
Fax: 203-866-0425 E-mail: info@kingintl.nl
E-mail: LAD@kingindustries.com

K-CORR® is a registered trademark of King Industries, Inc.

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.