

Product Data Sheet

K-CORR[®] SA-300 (Formerly KX1046)



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K-CORR SA-300 is an ashless rust inhibitor for industrial and automotive lubricants, greases and rust preventive fluids.

CHEMICAL

COMPOSITION: Proprietary alkylated organic acid/ester chemistry in light mineral oil.

APPEARANCE: Clear amber viscous liquid.

TYPICAL

PROPERTIES: Viscosity @ 40°C (ASTM D 445, DIN 51550)	3194 mm ² /s (cSt)
Viscosity @ 100°C (ASTM D 445, DIN 51550)	40 mm ² /s (cSt)
Density @ 15.6°C (ASTM D 4052)	0.98 g/ml
Weight Per Gallon @ 25°C	8.1 lbs
Acid Number, TAN (Potentiometric)	180 mg KOH/g
Mineral Oil Content	~ 25%
Flash Point, COC (ASTM D 92, DIN 51376)	160°C (320°F)

Note: The above data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Hydraulic Fluids	0.03% - 0.2%
Circulating Oils	0.03% - 0.2%
Paper Machine Oils	0.05% - 0.3%
Greases	0.7% - 3.0%
Industrial and Automotive Gear Oils	0.10% - 0.5%
Rust Preventive Fluids	2.0% - 15.0%

K-CORR SA-300 is a highly efficient ashless rust inhibitor with outstanding demulsification properties. **K-CORR SA-300** is recommended for formulating high performance ashless circulating and steam turbine oils, hydraulic oils, paper machine oils, industrial and automotive gear oils as well as greases. **K-CORR SA-300** can also be used as a rust inhibitor in fuels and is also suitable for formulating ashless rust preventive fluids.

ADVANTAGES:

- * Outstanding ashless acidic rust inhibitor
- * Excellent demulsification properties
- * Good thermal and hydrolytic stability
- * Soluble in highly paraffinic and synthetic base oils
- * Effective at very low treat levels
- * Excellent compatibility with other functional additives

(see reverse side)

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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 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 Material Safety Data Sheet (MSDS) for **K-CORR SA-300**.

REGISTRATION: Please refer to the Material Safety Data Sheet.

For Samples or Technical Service, contact King Industries or your King representative.

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