

Product Data Sheet

K-CORR[®] SD-1223C (Formerly KX1223C)



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K-CORR SD-1223C is a multifunctional ashless substituted polyamine surfactant / dispersant for lubricants that exhibits antioxidant and wear protection boosting properties.

CHEMICAL

COMPOSITION: Substituted polyamine.

APPEARANCE: Viscous brown liquid.

TYPICAL

PROPERTIES:	Nitrogen Content (ASTM D5291)	6.6%
	Base Value (ASTM D2896)	95 mg KOH/g
	Viscosity @ 100°C (ASTM D445, DIN 51550)	47 mm ² /s (cSt)
	Density @ 25°C (ASTM D4052)	0.946 g/ml
	Weight Per Gallon @ 25°C	7.9 lbs
	Flash Point, COC (ASTM D92, DIN 51376)	160°C min
	Mineral Oil Content	none

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS:	
Rust Preventive Fluids	0.5% - 5.0%
Hydraulic Fluids	0.2% - 1.5%
Circulating Oils	0.2% - 1.5%
Paper Machine Oils	0.2% - 1.5%
Greases	0.5% - 2.5%
Industrial and Automotive Gear Oils	0.2% - 1.5%

K-CORR SD-1223C improves the solubility of polar additives in industrial lubricants while maintaining good demulsibility. **K-CORR SD-1223C** can provide some varnish and sludge control in industrial lubricant applications. The oxidative stability of vegetable oils can be improved by formulating with **K-CORR SD-1223C**. The 4-ball wear performance of lubricating oils can also be boosted with the addition of **K-CORR SD-1223C**.

ADVANTAGES:

- * **Effective at low treat levels**
- * **Minimal impact on demulsibility (lubricants)**
- * **Provides varnish and sludge control**
- * **Multifunctional, ashless surfactant/dispersant**

(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:** 420 lbs (191 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: 50°C (122°F)
- SHELF LIFE:** Best if used within 1 year of 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 SD-1223C**.
- 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.

Global Headquarters

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