

Product Data Sheet



NA-SUL[®] TEA/LB

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

NA-SUL TEA/LB is a water dispersible, ashless corrosion inhibitor in polyglycol that forms stable dispersions. It exhibits good rust prevention properties in humid conditions.

CHEMICAL

COMPOSITION: Proprietary preparation of dinonylnaphthalenesulfonic acid and an amine in polyglycol. **NA-SUL TEA/LB** does not contain reportable quantities of DEA (diethanolamine).

APPEARANCE: Dark brown viscous liquid.

TYPICAL

PROPERTIES:	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	1500 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	46 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	1.03 g/ml
	Weight Per Gallon @ 25°C	8.6 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	175°C (347°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS:	
Rust Preventive Fluids	1.00% - 15.0%
Synthetic Circulating Oils	0.05% - 1.0%
Metalworking Fluids	0.50% - 5.0%
Synthetic Coolants	0.50% - 5.0%

NA-SUL TEA/LB is an ashless rust and corrosion inhibitor that forms stable dispersions in water and can be used for temporary rust prevention on steel. **NA-SUL TEA/LB** is excellent as a formulating basis of high performance water soluble rust and corrosion inhibitor concentrates.

ADVANTAGES:

- * **Excellent ashless rust inhibitor**
- * **Easily forms stable emulsions in water**
- * **Does not contain mineral oil**
- * **Effective protection on steel in the Humidity Cabinet (ASTM D 1748) test**

(see reverse side)

NA-SUL[®] TEA/LB

- SOLUBILITY:** Disperses readily in water and synthetic coolants to form stable colloidal mixtures. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.
- STANDARD PACKAGING:** 450 lbs (205 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: 46°C (115°F)
- SHELF LIFE:** Best if used within 3 years 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 **NA-SUL TEA/LB**.
- REGISTRATION:** Please refer to Section 15 of the Material 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.
Noordkade 64, 2741 EZ Waddinxveen
The Netherlands
Tel: +31-182-631360
Fax: +31-182-621002
E-mail: info@kingintl.nl

NA-SUL[®] is a registered trademark of King Industries, Inc.

v:\lad\Technical Literature\CumtTDS\NASUL\TEA-LB_03
Revision date: 26 JUL 2004

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.