NA-SUL DTA is a stable, ashless, oil soluble, water insoluble rust and corrosion inhibitor displaying good demulsibility.

**CHEMICAL COMPOSITION:** Proprietary preparation of dinonylnaphthalenesulfonic acid and an amine in light mineral oil.

**APPEARANCE:** Clear brown viscous liquid.

**TYPICAL PROPERTIES:**
- Nitrogen Content: 0.5%
- Viscosity @ 40°C (ASTM D 445, DIN 51 550): 5200 mm²/s (cSt)
- Viscosity @ 100°C (ASTM D 445, DIN 51 550): 85 mm²/s (cSt)
- Density @ 15.6°C (ASTM D 4052): 0.95 g/ml
- Weight Per Gallon @ 25°C: 7.9 lbs
- Flash Point, COC (ASTM D 92, DIN 51 376): 165°C (329°F)

Note: The above analytical data are not specifications.

**APPLICATIONS:**
- Compressor Oils: 0.10% - 1.0%
- Greases: 0.20% - 3.0%
- Ashless Fuel Additives: 0.05% - 1.0%
- Industrial and Automotive Gear Oils: 0.10% - 1.0%
- Rust Preventive Fluids: 5.00% - 15.0%
- Fluids: 0.30% - 1.5%

NA-SUL DTA is a stable ashless rust inhibitor for use in petroleum and synthetic lubricants. It exhibits excellent performance in applications requiring rust and corrosion protection with good demulsibility, solubility, high purity and uniformity. NA-SUL DTA is excellent for formulating ashless rust preventive fluids.

**ADVANTAGES:**
- * Ashless
- * Excellent rust and corrosion inhibitor
- * Good demulsibility
- * Synergistic with oxidates when used in rust preventive fluids

(see reverse side)
NA-SUL® DTA

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 source of heat and moisture. Maximum recommended storage temperature: 46ºC (115ºF)

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 Safety Data Sheet (SDS) for NA-SUL DTA.

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 Noordkade 64, 2741 EZ Waddinxveen
Norwalk, CT 06852-0588 The Netherlands
Tel: 203-866-5551 Tel: +31-182-631360
Fax: 203-866-0425 Fax: +31-182-621002
E-mail: LAD@kingindustries.com E-mail: info@kingintl.nl

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

v:\lad\Technical Literature\CurriTDS\NASULDTA_04
Revision date: 06 JUNE 2014

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.