NA-SUL® CA-1183 is a liquid corrosion preventive additive designed for use where water contamination of the formulated fluid is likely, such as dewatering fluids. NA-SUL CA-1183 provides excellent corrosion protection for steel, galvanized steel and aluminum with superior water separation characteristics.

CHEMICAL COMPOSITION: Calcium alkylnaphthalenesulfonate/mixed diluent oils.

APPEARANCE: Brown viscous liquid.

TYPICAL PROPERTIES:
- Calcium Content 2.6%
- Acid Number (ASTM D974) 48 mg KOH/g
- Viscosity @ 100°C (ASTM D445, DIN 51 550) 110 mm²/s (cSt)
- Density @ 25°C (ASTM D4052) 0.99 g/ml
- Weight Per Gallon @ 25°C 8.3 lbs
- Flash Point, COC (ASTM D92, DIN 51 376) >150°C (302°F)

Note: The above analytical data are not specifications.

APPLICATIONS:
- Rust Preventive Fluids 3% - 20%
- Dewatering Fluids 3% - 15%

NA-SUL CA-1183 is a very effective multi-metal corrosion inhibitor with outstanding water displacement properties. It is particularly effective on galvanized steel. It has excellent solubility in a wide variety of diluent fluids; including naphthenic oils, Groups I, II, and III paraffinic oils, vegetable oils, esters and polyalphaolefins. It is designed for use with solvents such as white spirits (mineral spirits) or kerosene. Rust preventive performance is enhanced by the addition of 10% or 20% mineral oil in combination with solvent. Solubility in specific oils and solvents should always be verified. NA-SUL CA-1183 can be combined with waxes or resins for specialty applications. NA-SUL CA-1183 is especially useful as a dewatering fluid additive. It separates water extremely effectively into clear water and organic layers. It shows no tendency to gel or skin at the water/organic interface. NA-SUL CA-1183 is generally compatible with most alkaline cleaners and metalworking fluids. Compatibility with likely contaminants should be verified prior to use.

ADVANTAGES:
- Excellent corrosion inhibitor
- Particularly effective on galvanized steel
- Excellent solubility in a wide range of diluents
- Resists gelling from water contact

(see reverse side)
NA-SUL® CA-1183

* Excellent water separation performance  
* Compatible with contamination by alkaline cleaners  
* Mild odor, no oxidate wax

TEST RESULTS: Technical reports are available from King Industries and can be requested by contacting the offices shown below.

SOLUBILITY: Soluble in most mineral oils and hydrocarbon solvents as well as polyalphaolefins and vegetable oils. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

STANDARD PACKAGING: 430 lbs (195 kg) closed head drum.

STORAGE CONDITIONS: Store in a cool, dry place away from any direct source of heat and moisture. Keep container tightly closed. Maximum recommended storage temperature: 46°C (115°F)

SHELF LIFE: Best if used within 2 years from the date of manufacture. Container must be tightly closed.

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 CA-1183.

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

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

Revision date: 22 AUG 2016