

NA-SUL® CA-50



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NA-SUL CA-50 is a premium non-staining rust and corrosion inhibitor with excess alkalinity in the form of oil-soluble calcium carbonate.

CHEMICAL

COMPOSITION: Carbonated basic calcium dinonylnaphthalenesulfonate in light mineral oil.

APPEARANCE: Clear brown viscous liquid.

TYPICAL

PROPERTIES: Calcium Content 3.2%

 Total Base Number (ASTM D664 modified)
 52 mg KOH/g

 Viscosity @ 40°C (ASTM D445, DIN 51 550)
 500 mm²/s (cSt)

 Viscosity @ 100°C (ASTM D445, DIN 51 550)
 23 mm²/s (cSt)

 Density @ 15.6°C (ASTM D4052)
 0.98 g/ml

Weight Per Gallon @ 25°C 8.2 lbs

Flash Point, COC (ASTM D92, DIN 51 376) 165°C (329°F)

Note: The above analytical data are not specifications.

APPLICATIONS: Greases 0.50% - 3.0% Gear Oils 0.10% - 0.5% Rust Preventive Fluids 1.00% - 15.0% Hydraulic Oils 0.05% - 0.8%

NA-SUL CA-50 is a versatile rust and corrosion inhibitor used in all types of industrial lubricating oils. It is extremely effective against fresh water and salt water corrosion, thus, making it an ideal choice for use in post tensioning greases and rust preventive fluids. **NA-SUL CA-50** is also used in extreme pressure lubricants where it provides superior rust protection and acid neutralization. As a result of its alkalinity, **NA-SUL CA-50** works as an HCl scavenger when used in combination with chlorinated paraffins to avoid rusting of newly machined metal parts. **NA-SUL CA-50** can also be used for formulating military hydraulic oils that have to provide outstanding demulsibility and extremely effective rust protection under humid conditions. **NA-SUL CA-50** is also used in high performance dewatering fluids.

ADVANTAGES:

- * Outstanding rust protection performance in fresh and salt water environments
- * Excellent demulsibility
- * Reserve alkalinity for acid neutralization
- * Protection against acid atmosphere

(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 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 Safety Data Sheet (SDS) for

NA-SUL CA-50.

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.

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