

Product Data Sheet

NA-SUL[®] BSB



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NA-SUL BSB is a premium non-staining rust and corrosion inhibitor with excess alkalinity in the form of barium hydroxide.

CHEMICAL

COMPOSITION: Basic barium dinonylnaphthalenesulfonate in light mineral oil.

APPEARANCE: Clear brown viscous liquid.

TYPICAL

PROPERTIES:	Barium Content	12.0%
	Total Base Number (ASTM D 4739)	45 mg KOH/g
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	2400 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	62 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	1.07 g/ml
	Weight Per Gallon @ 25°C	8.9 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	165°C (329°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Greases	0.50% - 3.0%
Gear Oils	0.10% - 0.5%
Rust Preventive Fluids (oil/solvent type)	5.00% - 15.0%
Circulating Oils	0.05% - 1.0%

NA-SUL BSB is a versatile rust and corrosion inhibitor used in rust preventive formulations, greases, and lubricating oils. Its excess alkalinity is useful in deactivating and neutralizing acidic components in lubricant formulations. **NA-SUL BSB** is an excellent rust inhibitor and demulsifier. It is also used in extreme pressure lubricants based on chlorinated paraffins where it provides superior rust protection and acid neutralization. As a result of its alkalinity, in metalworking fluids, **NA-SUL BSB** works as an HCl scavenger when used in combination with chlorinated paraffins to avoid rusting of newly machined metal parts. **NA-SUL BSB** can also be used to formulate high performance water displacement type rust preventive fluids.

ADVANTAGES:

- * Excellent rust and corrosion protection performance
- * Reserve alkalinity for acid neutralization
- * Superior demulsibility

(see reverse side)

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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: 480 lbs (218 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 BSB**.

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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Revision date: 26 JUL 2004

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