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## **PRODUCT DESCRIPTION**

SES's Bit-Stick is a low-foaming synergistic blend of surfactants and detergents developed for use in drilling applications that will not affect mud weight. Bit-Sticks reduce interfacial tension allowing for better control of drill solids, and a reduction in bit balling. This product works in a wide variety of oil field fluids including fresh water, low to heavy brines, and brines with condensate. The detergency of the Bit-Stick keeps the bit clean reducing the number of bit-trips required as well as reducing bit wear. This product is also environmental friendly.

## **RECOMMENDED APPLICATION**

The recommended application rate of SES Bit-Sticks is 1 to 2 sticks per drill connection; however, as drilling depth increases, the number of sticks required may increase. The actual product requirements will vary depending on the well depth, quantity and make of fluid down hole, and temperature. Local testing is recommended to determine the optimum application rate for individual wells.

## **COMPATIBILITY**

Bit-Stick is anionic. It is compatible with nonionic and other anionic additives. It should not be used with cationic additives unless the compatibility is confirmed by testing.

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## **TYPICAL PHYSICAL PROPERTIES**

Form (70°F):	Solid
Chemical Family:	Organic
Color:	Red Solid
Solubility:	Fresh Water Soluble High TDS Brine Soluble Hydrocarbon Dispersible
Size:	1 ¼" X 15"
pH:	6.0-8.0
Charge:	Anionic
Flash Point:	>200°F (93.3°C)
Melting Point	140°F (60°C)

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## **HANDLING/STORAGE**

Bit-Sticks should be stored in a cool, dry location. As with any industrial chemical, keep out of reach of children and avoid prolonged contact with skin and eyes. In case of skin or eye contact, flush the exposed area with copious amounts of water. A material safety data sheet outlining proper handling of this product is available upon request, or will be forwarded upon the purchase of Drill Foam SD.

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## **PACKAGING**

Bit-Stick is available in 48 qt ice chest (80 sticks), Cargo (100 sticks), Packer 45 (300 sticks) and Open Head Drum (450 sticks).