

## PRODUCT DESCRIPTION

SES's Drill Foam SD Foam Sticks are a synergistic blend of surfactants and foaming agents developed for use in drilling applications. Drill Foam SD reduces interfacial tension allowing for better control of drill solids, reduction in bit balling, and improved completion rates. The foamers in this product work in a wide variety of oil field fluids including fresh water, low to heavy brines, and brines with condensate. The foaming action of Drill Foam SD also helps to control mud weight by introducing limited amount of air to the mud system preventing circulation loss and reducing fluid friction and mechanical drag. This product is also environmental friendly.

## RECOMMENDED APPLICATION

The recommended application rate of Drill Foam SD is 1 to 3 sticks per drill connection; however, as drilling depth increases, the number of sticks required will usually increase. Typically, the increase is 1 stick for every 1,000 to 2,000 feet. 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

Drill Foam SD 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.

## TYPICAL PHYSICAL PROPERTIES

Form (70°F):	Solid
Chemical Family:	Organic
Color:	Orange
Solubility:	Water, Brine
Size:	1 ¼" X 15"
pH:	6.0-8.0
Charge:	Anionic
Flash Point:	>200 <sup>0</sup> F (93.3°C)
Melt Point:	140 <sup>0</sup> F (60°C)

## HANDLING/STORAGE

Drill Foam SD 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. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

## PACKAGING

Drill Foam SD is available in 48 qt ice chest (80 sticks), Cargo (100 sticks), Packer 45 (300 sticks) and Open Head Drum (450 sticks).