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## **PRODUCT DESCRIPTION**

SES's DR-700 CL is a low-foaming synergistic blend of surfactants and detergents developed for use in drilling applications that will not affect mud weight and has been specifically designed for closed-loop systems. DR-700 CL reduces interfacial tension allowing for better control of drill solids and a reduction in bit balling. The detergency of the DR-700 CL keeps the bit clean reducing the number of bit-trips required as well as reducing bit wear. DR-700 CL works in a wide variety of oil field fluids including fresh water, low to heavy brines, and brines with condensate. This product is also environmental friendly.

## **RECOMMENDED APPLICATION**

DR-700 CL is typically injected in the stand-pipe before being pumped down-hole. Recommended application rates for DR-700 CL are 1 to 3 gal/hr with an initial suggested application rate of 50 gal/day. Actual use will vary depending on condition present at individual wells. Local adjustments to application rate will be required to maintain optimal performance. This product may be used with other "foaming" products such as soap sticks or other liquid foamers if a lighter mud weight is desired without compatibility issues as long as the foamer is anionic or nonionic.

## **COMPATIBILITY**

DR-700 CL 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:	Liquid
Chemical Family:	Organic
Color:	Red
Solubility:	Water, Brine
Odor:	Mild
Wt. per Gal.:	8.4 lbs.
Charge:	Anionic
Flash Point:	>200°F (93.3°C)

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## **HANDLING/STORAGE**

Store away from heat sparks and open flame. Keep container tightly sealed to prevent evaporation, contamination, and explosion hazards. Use only with adequate ventilation. Promptly remove any spilled material as it is extremely slippery, especially when wet. Rinse spill with copious amounts of water. It can cause eye, skin and respiratory tract irritation by contact. Do not breathe vapors, especially in a confined area. Recommend use of chemical splash goggles and rubber gloves during handling. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

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## **PACKAGING**

DR-700 CL is available in 55 gallon drums and 330 gallon tote tanks.