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كيماويات السعودية

Saudi Chem

# SC 155-NT

DRILLING LOW TOXIC PRIMARY EMULSIFIER

## PRODUCT DATA SHEET

### PRODUCT DESCRIPTION

**SC 155-NT** is an invert mud oil emulsifying agent based upon a formulation containing glyceride and fatty acids. It is designed to improve the oil wettability of drilling solids, increasing the emulsion stability of the oil mud and controlling rheological properties. It assists the performance of the secondary emulsifiers by encircling each solids particle with an oil layer, preventing emulsion break down due to solids water wetting, thereby keeping stability high. **SC 155-NT** is formulated with low toxic solvents to provide more environmental safety.

### TYPICAL PHYSICAL PROPERTIES

<b>Appearance:</b>	Dark amber liquid
<b>Specific Gravity @ 20 Deg C:</b>	0.90 to 0.95 mg/ml
<b>Flash Point:</b>	Above 150 Deg F
<b>Pour Point:</b>	Below 0 Deg C

### PRODUCT APPLICATION DETAILS

**SC 155-NT** should be applied in situations where mud stability (as measured by fluid loss and ESV reading) are lower than required. The levels of **SC 155-NT** required is a function of the severity of the problem, but as a rule 6lbs per barrel is sufficient to provide basic emulsion stability. It will improve the stability of the mud, and tighten the control of the fluid loss, as well as imparting high oil wetting ability, when drilling through magnesium formation. The function of **SC 155-NT** is to improve basic stability properties in the invert system. It is used in most cases in conjunction with a secondary emulsifier such as **SC 14-NT**. It can be used in 50/50 mud systems because it controls the increases in yield and gel structure, which are symptomatic of this type of mud system.

### PRODUCT PACKAGING DETAILS

**SC 155-NT** is packaged in 55 gallon drums.

### PRODUCT HANDLING DETAILS

Always use protective eye wear and clothing. Eye contact should be wash with copious amounts of water and seek medical attention. Skin contact should be washed with soap and water, and any contaminated clothing removed.

SAUDI CHEM P.O. BOX 70108 Al-Khobar 31952 Kingdom of Saudi Arabia

TEL No.: +966 13 812 1166 | +966 13 847 6467 FAX NO.: +966 13 847 6985

E-Mail: solutions@saudichem.com Website: www.saudi-chem.com