



## TORQ-TROL II

### DESCRIPTION

Torq-Trol II is principally composed of a sodium salt of sulfated vegetable oil. Torq-Trol II is both oil and water-soluble.

### PROPERTIES

Physical		Chemical	
Appearance:	Clear/amber, fatty odour	Type:	Sulfated Oil Sodium Salts
Specific Gravity:	1.03	Solubility:	Soluble (oil, water)
Flash Point:	>93°C (PMCC)	pH:	6.8 (2% solution)
		Microtox:	=12% @ (5.0 L/m <sup>3</sup> )

### APPLICATION

Torq-Trol II may be used in fresh-water muds, salt-based muds and oil based systems. Torq-Trol II is recommended to improve the lubricity of drilling and completion fluids. It reduces friction between the drill string and walls of the hole. Torque and drag common in crooked and directional holes can be minimized by the addition of Torq-Trol II in the range of 1.0-3.0% by volume. Soft shales have fewer tendencies to adhere to bits and drill collars when Torq-Trol II is present in the drilling fluid in a concentration of 15.0-20.0 L/m<sup>3</sup>. To free stuck pipe add Torq-Trol II in a concentrated pill of drilling mud at a concentration of 60.0-80.0 liters in 8.0-10.0m<sup>3</sup> of spotting fluid. Corrosion in drilling and completion fluids is reduced when Torq-Trol II is present in the system.

**General Purpose Lubrication:** Torq-Trol II can be sprayed on moving parts or exposed steel surfaces to lubricate and protect metal from corrosive attack. It is an excellent penetrating lubricant.

### MIXING AND HANDLING

Torq-Trol II should be added slowly to the mud system through the mixing hopper or wherever there is good agitation. Wear suitable protection for eyes, skin and clothing (see Material Safety Data Sheet for further information).

***NOTE: The addition of Torq-Trol II will cause foaming in some mud systems. A pre-treatment of 3-5 pails of XL Defoamer is recommended prior to any additions of Torq-Trol II.***

<b>WHMIS:</b> Controlled (see MSDS)	<b>TDG:</b> Not regulated	<b>PACKAGING:</b> 208 liter drum, 20 liter pail
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