CETCO® C-LUBE

DRILLING FLUID LUBRICANT

DESCRIPTION
CETCO C-LUBE is vegetable oil based lubricant for water based drilling fluids. CETCO C-LUBE is a filming type lubricant that reduces rotational torques and drag. It enhances lubricity of water based drilling fluids without adversely altering rheology.

RECOMMENDED USE
Mix CETCO C-LUBE directly into drilling fluid through the suction line or hopper when additional lubrication is required. Recommended for horizontal and vertical applications of minerals exploration, pipeline construction drilling, and most vertical and horizontal drilling uses.

CHARACTERISTICS
- Can be used in horizontal or vertical drilling
- Mixes quickly
- Quickly reduces friction and torque in all soil types

MIXING AND APPLICATIONS
Add 1 - 2 gallons (3.8 - 7.6 liters) CETCO C-LUBE/100 gallons (378.5 liters) drilling fluid directly in suction line or hopper. Increase product concentration until desired torque reduction is achieved. Apply in difficult drilling intervals. Maintain concentrations by small additions throughout drilling process as required.

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Specific Gravity</td>
<td>0.842</td>
</tr>
<tr>
<td>Color</td>
<td>Hazy Yellow Liquid</td>
</tr>
<tr>
<td>pH, 1% Solution</td>
<td>4.1</td>
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<tr>
<td>Odor</td>
<td>Vegetable Oil</td>
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</tbody>
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PACKAGING
~36 lb (16.3 kg) pail, 32 per pallet. All pallets are plastic-wrapped.