ONE-TROL HT

ONE-TROL† HT amine-treated tannin is a filtration-control additive designed for use in all oil and synthetic-base drilling fluid systems.

The product may be used in combination with other filtration-control additives or as an effective alternative to asphalt and gilsonite where their use is undesirable. ONE-TROL HT additive is compatible with other oil-base or synthetic-base additives.

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific gravity</td>
<td>1.3</td>
</tr>
<tr>
<td>Physical appearance</td>
<td>Dark brown powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Tannin</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Slightly</td>
</tr>
<tr>
<td>pH</td>
<td>4.75 (5% slurry)</td>
</tr>
</tbody>
</table>

**Applications**

ONE-TROL HT additive can be used in any oil- or synthetic-base drilling fluid system to control fluid loss. For most applications, recommended concentrations are 4 to 10 lb/bbl (11.4 to 28.5 kg/m³) of ONE-TROL HT additive. The concentration may need to be increased for special applications where high temperatures (>350 °F/176 °C) are anticipated or where ultra-low fluid loss is required. Pilot testing is recommended to determine the required ONE-TROL HT additive treatment level and the effect on properties. ONE-TROL HT fluid-loss control agent is stable to temperatures in excess of 500 °F (260 °C) with minimal effect on the rheological properties of the mud.

**Advantages**

- Effective filtration control alternative to asphalt, gilsonite and amine treated lignite products
- Applicable to all oil-base and synthetic-base systems
- Compatible with other additives
- Disperses easily when added through a hopper

**Limitations**

Effectiveness is reduced at temperatures approaching 400 °F (204 °C) requiring higher concentrations.

**Toxicity and Handling**

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

**Packaging and Storage**

ONE-TROL HT additive is packaged in 50-lb (22.7-kg) multi-wall paper sacks.

Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.
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