CRYSTAL-DRIL® shale stabilizer is a synthetic liquid polymer used for both shale inhibition and solids flocculation. CRYSTAL-DRIL shale stabilizer binds strongly to active clay, shale and drill cuttings which helps reduce clay hydration and helps improve drill cutting integrity. CRYSTAL-DRIL shale stabilizer has shown benefits in increasing ROP through bit-balling elimination and drill solid reduction. CRYSTAL-DRIL shale stabilizer works exceptionally well in PDC bit applications, where extended bit runs are expected.

**Applications / Functions**

- Shale Stabilizer
- Drill Solids flocculent

**Advantages**

- Promotes borehole stability
- Compatible with most water environments
- Effective at low product concentrations
- Reduces bit-balling and improves ROP
- 50% active polymer concentration

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Milky, off-white</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;200°F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.06</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water soluble / dispersible</td>
</tr>
</tbody>
</table>

**Recommended Treatment**

Add 0.1-2 lb/bbl (0.29-5.7 kg/m³) mixed slowly through the hopper

**Packaging**

CRYSTAL-DRIL shale stabilizer is available in 5-gal pails (44.2-lbs) and 55-gal drums (486-lbs)

www.halliburton.com/baroid

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.

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