**DESCRIPTION**

SHIELD BOND LC₉₉ lost circulation additive is added to the SHIELD BOND® and SHIELD BOND® NXT wellbore shielding® spacer systems to remediate against moderate, complete and total losses. SHIELD BOND LC₉₉ is formulated to prevent losses with fracture sizes of 1,000 microns and permeability’s up to 3500 darcies.

**ADVANTAGE**

- Enhances the SHIELD BOND® spacer system’s effectiveness when losses are problematic
- Effective at sealing a wide range of fracture widths in various formations
- Withstand differential pressures > 1000 psi

**APPLICATION**

- Used during partial to total lost circulation where fracture sizes of 1,000 microns were experienced
- Used in high permeability formations, unconsolidated and fractured formations when losses were observed during the drilling phase.

**ENVIRONMENTAL ADVANTAGE**

- Environmentally compliant for use in all areas
- PLONOR listed for North Sea use, HMCS Category P, OCNS Group E
- Passes the North America 96-hr LC₅₀ bioassay mysid shrimp

**TREATMENT RECOMMENDATIONS**

<table>
<thead>
<tr>
<th>Physical Properties</th>
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<tbody>
<tr>
<td>Appearance: Coarse, brown powder</td>
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<tr>
<td>Temperature: 204°C (400°F)</td>
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<tr>
<td>Specific gravity: 1.44 g/cm³ (12.02 lb/gal)</td>
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</table>

**HANDLING AND STORAGE**

SHIELD BOND LC₉₉ should be stored in a dry environment. Avoid excessive dust and inhalation. Use appropriate PPE and review the SDS before use.

**PACKAGING**

- SHIELD BOND LC₉₉ is available in 25-lb, multiwalled bags. 1250 pounds per pallet (50 sacks).