MACRO-FILL

LCM AND SWEEP MATERIAL

DESCRIPTION
MACRO-FILL is a granular, advanced super-absorbent material that rapidly absorbs and retains large volumes of water from aqueous solutions. MACRO-FILL may absorb up to 300 times its weight in freshwater while expanding less than 5% in total volume.

RECOMMENDED USE
MACRO-FILL is ideally suited for solidification and stabilization of drilling fluids, wastewater, and sludge. MACRO-FILL is also a superior loss circulation material.

CHARACTERISTICS
- Absorbs up to 300 times its own weight in water
- Can be added directly into drilling fluid
- Can be used with other lost circulation materials
- Expands approximately 5% in volume with maximum absorption
- Seals large and fine fractures and highly permeable and porous formations
- Will not harm pumping equipment

MIXING AND APPLICATION

<table>
<thead>
<tr>
<th>Solidification Aid</th>
<th>Add 5 - 10 kg / 1000 L of liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loss Circulation</td>
<td>Pre-mix 4 - 6 kg in thinned fluid on surface and pump quickly to discrete depth via tremie pipe. Allow time for MACRO-FILL to expand before proceeding with drilling.</td>
</tr>
</tbody>
</table>

PACKAGING
15 kg pails and 25 kg bags

UPDATED: JANUARY 2020

Australia: +61 73719 3500 | www.CETCO.com

© 2020 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.CETCO.com. CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.