ORGANOCLAY® MRM
NAPL ADSORPTION & MERCURY SEQUESTRATION MEDIA

DESCRIPTION
ORGANOCLAY® MRM is a sulfur-impregnated organophilic clay granular filtration media that adsorbs non-aqueous phase liquids (NAPL) and dissolved low-solubility organics. It also sequesters mercury and arsenic from water.

APPLICATIONS
ORGANOCLAY® MRM is specially formulated for use in the following applications:
• Groundwater pump and treat filtration
• Permeable reactive barrier media
• Solidification/Stabilization additive to Portland cement
• Caution: Methylmercury formation may be enhanced in the presence of sulfate reducing bacteria. Site specific treatability or pilot studies should be considered.

FEATURES
• Sequesters mercury in the presence of dissolved organic compounds without blinding/fouling. (Pretreatment with ORGANOCLAY-F recommended for high concentrations of NAPL).
• Effective on four forms of mercury: methylmercury, Hg0, Hg+1 and Hg+2.
• Sequesters arsenate (As+5).
• Mercury sequestration capacity up to 0.2% by weight (depend upon waste stream characteristics).

PACKAGING
ORGANOCLAY® MRM is available in the following packaging options:
• 50 lb bag
• 1500 lb super sack

ORGANOCLAY® MRM is ideal for use in sediment caps or other remediation applications where metals are present in addition to organic contaminants.

TESTING DATA

<table>
<thead>
<tr>
<th>PHYSICAL PROPERTIES</th>
<th>TEST METHOD</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk Density Range</td>
<td>CETCO Test Method</td>
<td>44–56 lb./cu.ft.</td>
</tr>
<tr>
<td>Quaternary Amine Content</td>
<td>ASTM D7626</td>
<td>25% min.</td>
</tr>
<tr>
<td>Oil Sorption Capacity</td>
<td>CETCO Test Method</td>
<td>Min. 0.5 g/g media</td>
</tr>
<tr>
<td>Hydraulic Conductivity</td>
<td>Modified ASTM D2434</td>
<td>Min. 1 x 10⁻³ cm/s</td>
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</tbody>
</table>

North America: 847.851.1800 | 800.527.9948 | www.cetco.com

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