

TECHNICAL DATA

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).

TESTING DATA

PHYSICAL PROPERTIES		
Property	Test Method	Results
Bulk Density Range	CETCO Test Method	44-56 lb./cu.ft.
Quaternary Amine Content	ASTM D7626	25% min.
Oil Sorption Capacity	CETCO Test Method	Min. 0.5 g/g media
Hydraulic Conductivity	Modified ASTM D2434	Min. 1×10^{-3} cm/s

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.

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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 remediation.cetco.com. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.

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