

# 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, HgO, 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

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	Mdified ASTM D2434	Min. $1 \times 10^{-3}$ cm/s

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