

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. 1×10^{-3} cm/s

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