



# Sorbster<sup>®</sup> MM-1

Ecologically Effective Contaminates Adsorption

## Adsorbent Media for Metal Removal

Sorbster<sup>®</sup> MM-1 media is a highly functionalized, chemically enhanced alumina media that covalently bonds multiple soluble metals and trace contaminants to its active sites. Metals such as mercury, arsenic, selenium, zinc and hexavalent chromium are permanently removed from water. Sorbster<sup>®</sup> MM-1 can also be used to remove selected anions and cyanide.

## Features and Benefits

- Media contains an active and diverse chemistry that removes a range of cationic and anionic contaminants simultaneously. This eliminates the high costs associated with multiple media installations
- Sorbster<sup>®</sup> MM-1 is uniformly active throughout the media, resulting in permanent and fast chemisorption kinetics across a wide variety of water qualities
- Effective over broad temperature and pH ranges
- Does not support bacteria growth and generates no ancillary waste stream
- May be used as a polishing media where existing solutions cannot perform to new permit requirements
- Sorbster<sup>®</sup> MM-1 passes the EPA TCLP and CA WET tests to enable nonhazardous disposal options
- Sorbster<sup>®</sup> MM-1's high efficiency removal rate results in lower CapEx and OpEx

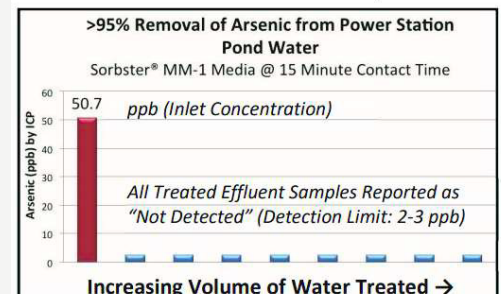


## Product Specifications

Particle Size	Nominal 1/8" Granules
Bulk Density lbs./ft <sup>3</sup>	60
Moisture Content	<10%
pH Range	3-10
Flux Rate	1-6 GPM/ft <sup>2</sup>
Empty Bed Contact Time	15-30 minutes
Back Wash Bed Expansion	5%

Contaminants Removed*		
Mercury	Arsenic	Selenite
Copper	Lead	Selenate
Zinc	Cobalt	Hexavalent Chromium
Cadmium	Molybdenum	Antimony
Nickel	Vanadium	Thallium

\*up to 99%



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