Cameron Carbon INCORPORATED

*Activated Carbon & Related Technology*

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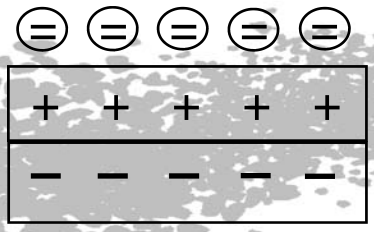
# OMZ

OMZ* Organo Sorbant is a patented, modified alumino silicate that is designed to absorb anions such as chromate, selenate, sulfate, hydrocarbons (e.g. benzene, toluene, and xylene), heavy metals (e.g. lead and cadmium), and various petroleum products from aqueous waste streams.

| APPLICATIONS | CONTAMINANTS REMOVED |
|---|---|
| Groundwater | diesel fuel, gasoline, oils, PCB's, BTX, heavy metals, PCE, THM's |
| Manufacturing Process Water | oil, grease |
| Paint Stripping | solvents, heavy metals |
| Electroplating | heavy metals |
| Wood Treating | pentachlorophenol, creosote |
| Water from oil production wells | oil, diesel fuels |

## How OMZ Works




The basic concept involves imparting hydrophobicity to alumino silicate substrate by coating it with a strongly bound hydrophobic compound. Other hydrophobic chemicals, such as hydrocarbons, prefer to combine with the surface-modified particles rather than maintaining suspension in water. The treated alumino silicate also absorbs inorganic oxyanions such as chromate, selenate and sulfate while maintaining its natural sorbtion capacity for heavy metals. The base media is an alumino silicate with an exceptional cation exchange capacity. The modifying agent is a strong cation that replaces other cations on the surface producing a surface anion exchanger.

(*U.S. Patent Nos. 5278112, 5314852, and other patents pending)