



**HYDROSIL**  
INTERNATIONAL LTD.

### **Hydrosil XB-17 Compared to Activated Alumina Products blended with Activated Carbon**

|   | <b>Hydrosil XB-17</b>         | <b>Activated Alumina/Carbon</b> |
|---|-------------------------------|---------------------------------|
| <b>Density</b>  | <b>45 #/ft<sup>3</sup></b>    | <b>40 #/ft<sup>3</sup></b>      |
| <b>% potassium permanganate<br/>media/activated carbon</b>  |                               |                                 |
| <b>% by volume</b>  | <b>50/50</b>                  | <b>50/50</b>                    |
| <b>% by weight</b>  | <b>33/66</b>                  | <b>37.5/62.5</b>                |
| <b>Pounds of Carbon present<br/>in one cubic foot of media</b>  | <b>15</b>                     | <b>15</b>                       |
| <b>Pounds of potassium permanganate<br/>media present in one cubic<br/>foot of media</b>                | <b>30</b>                     | <b>25</b>                       |
| <b>Pounds of active ingredient (potassium<br/>permanganate present in one<br/>cubic foot of media *</b> | <b>1.8 #'s/ft<sup>3</sup></b> | <b>1.0 #'s/ft<sup>3</sup></b>   |
| <b>Disposal Cost</b>  | <b>Same</b>                   | <b>Same</b>                     |
| <b>Handling Cost</b>  | <b>Same</b>                   | <b>Same</b>                     |

**\* 80% more potassium permanganate present per cubic foot with  
the same amount of activated carbon**