



Mercury Removal Adsorbent

Product Information

Hg-A-LW[®] is a pelleted, steam activated carbon which has been impregnated for removal of mercury from water and other liquid streams. This product is available in 3mm and 4mm diameter pellets, and in special particle sizes tailored for specific applications. Product packaging is available in fiber drums, on pallets of four drums per pallet, in 50 lb sacks, and in 1,100 lb supersacks.

Applications

Hg-A-LW is designed to remove mercury from water and other liquid streams. Hg-A-LW has proven its capacity for mercury and ability to achieve less than 0.1 PPB (V) ($1\mu\text{g}/\text{Nm}^3$) mercury effluent concentrations in commercial installations.

For recommendations on your specific application, call SME Associates, (281) 440-7350

For price and shipment information contact your Area Sales Representative:

SME Process Solution

6715 Theall
Houston, TX 77066
Phone (281)440-7350
Fax (281)440-7353

Information presented herein is believed to be accurate and reliable but does not imply any guarantee or warranty. Nothing herein shall be construed as an invitation to use processes covered by patents without proper arrangements with individuals or companies owning those patents.

Hg-A Adsorbent: Typical Properties

Physical Properties

Surface area, base carbon N ₂ BET (ASTM D2854)	1,000 m ² /gm, minimum
Hardness (ASTM D3802)	97%
Proprietary Impregnate content	13 – 14 weight %
Moisture content (ASTM D2867)	3 weight %, maximum
Packed bulk density	34 lbs/ft ³ (550 kg/m ³)

Chemical Properties

Carbon tetrachloride activity, Base carbon(ASTM D3467)	60 weight %, typical
PH (ASTM D3838)	6 – 8
Actual mercury capacity to 99% removal from H ₂	65 weight %
Recommended adsorption contact time	10 minutes
Effluent mercury concentration	<0.1 PPB (V) (<1 $\mu\text{g}/\text{Nm}^3$)

CAUTION: OXYGEN IS REMOVED FROM AIR BY WET ACTIVATED CARBON. ASPHYXIATION HAZARD EXISTS INSIDE VESSELS.

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