



## **GC-IPs<sub>g</sub>**

granular impregnated activated carbon

**GC IP<sub>s</sub>g** is a granular coconut shell, steam activated carbon that has been impregnated with sulfur. This product is manufactured to provide superior mercury removal performance when treating natural gas, air, hydrogen or other gas streams.

### **Specifications**

Particle Size, Mesh:	4x8
Sulfur Content, %	13 (min)
Hardness, %:	97 (min)
Moisture, % (as packed)	3 (max)
Surface Area (pre-impregnated), m <sup>2</sup> /gm:	1000 (min)
Carbon Tetrachloride Activity, % (base)	60 (min)
Apparent Density, g/ml:	0.48 – 0.52
Mercury Capacity, %:	65 (weight)

The proprietary process impregnates with the S<sub>2</sub> form of sulfur only. The carbon has a high affinity for this form of sulfur and the sulfur is uniformly distributed throughout the carbon pores. These characteristics ensure superior performance in several areas:

### **Characteristics**

- Greater total capacity for mercury adsorption.
- Near virgin CCl<sub>4</sub> activity of the impregnated carbon for superior organic removal.
- Greater stability of the mercuric sulfide formed on the carbon ensures that mercury will not leach into the environment from the spent carbon.
- Superior moisture resistance ensures product performance on high humidity waste streams.
- Superior temperature resistance ensures product performance at elevated temperatures.
- Improved adsorption kinetics allows for faster adsorption and less carbon is required on-line.

\*Packaging is available in 55 pound bags. Other packaging is available upon request.

### **Caution!**

*Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable Local, State and Federal guidelines.*