

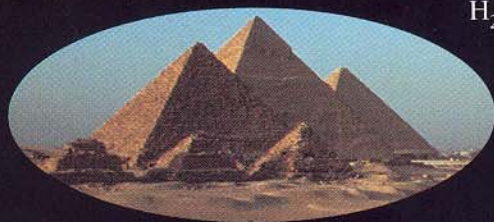
You'd have
to go back
a long way
to find an
advance
this big in
activated
carbon
technology.



Introducing Centaur™ Catalytic/Adsorptive Carbon

A Dramatic Breakthrough

As early as the pyramids, an ancestor of activated carbon was used for filtration. Now, Calgon Carbon has altered the molecular structure of activated carbon to produce a carbon with more adsorption and controlled catalytic properties – without chemical impregnation. What this means for H₂S control is revolutionary.

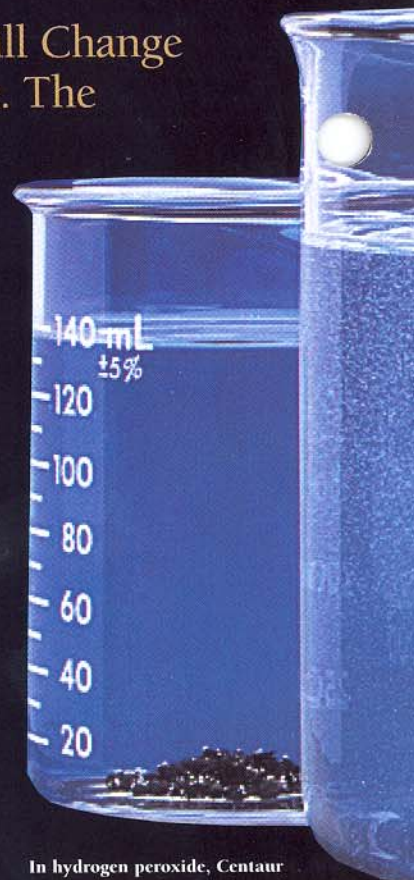


New Centaur HSV Will Change The Way You Operate. The Centaur Difference:

- No caustic solutions needed for regeneration
- On-site water regenerability
- Thermal reactivation of spent carbon

What Can It Do For You?

- Removes H₂S odor and VOCs – without impregnants
- Reduces the chance of bed fire – chemical-free
- Eliminates the need for disposal, incineration or off-site regeneration
- Allows easier disposal of regeneration water compared with caustic solutions
- Regenerates with water, allowing longer run times between carbon changeouts
- Improves operational cost-effectiveness
- Operates more safely than impregnated carbons – no caustic solutions to handle



In hydrogen peroxide, Centaur (right beaker) shows enhanced catalytic activity. Standard carbon (left beaker) shows no visible activity.



ough in H₂S Control.

Where Can You Use Centaur?

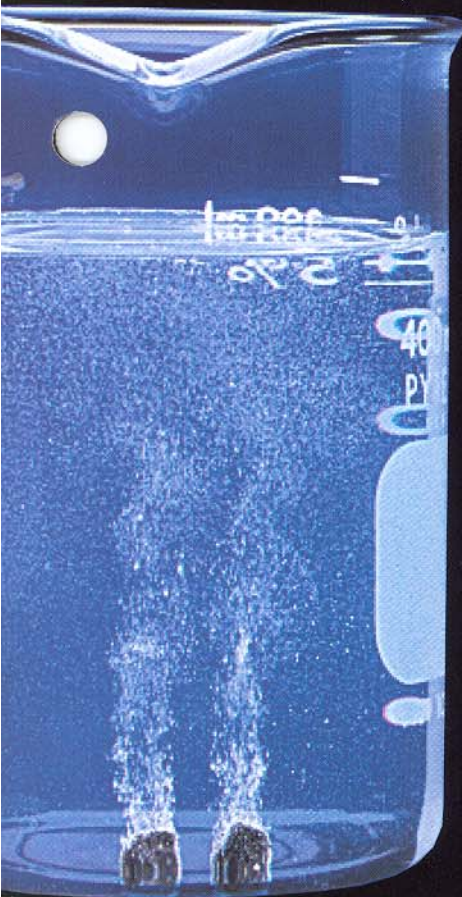
Calgon Carbon's new Centaur offers dramatic advantages in operating effectiveness and efficiency in four main situations:

- Replacement of spent carbon in an odor control system
- Installation of a new odor control system
- Replacement of wet scrubbers at certain H₂S concentrations
- Compliance with future VOC regulations



The unique catalytic action of Centaur:

- (1) adsorption,
- (2) catalysis, and
- (3) restoration of the catalyst sites.



How Does Centaur Compare?

Compared to impregnated carbons, Centaur provides H₂S removal without sacrificing adsorption pores for organics removal. Because Centaur uses no impregnants, the carbon can be regenerated with water on-site. Compared to standard carbons, Centaur is manufactured to possess controlled catalytic properties, resulting in predictable performance for H₂S control.



Centaur catalytic/adsorptive carbon is the most important advance in carbon technology in 4,000 years. For case studies and product literature on new Centaur H₂S applications, call the Centaur Information Hotline now at 1-800-4-CARBON.



CALGON CARBON CORPORATION
THE WORLD LEADER IN ACTIVATED CARBON TECHNOLOGY

P.O. Box 717, Pittsburgh, PA 15230-0717



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