

# Product Bulletin

## WPX POWDERED REACTIVATED CARBON

WPX is a powdered activated carbon produced from reactivated granular coal-based carbons.

### Applications

- ◆ Municipal Wastewater
- ◆ Industrial Wastewater
- ◆ Zimpro PACT Systems Purification
- ◆ Cement Kiln Flue Gas Treatment
- ◆ Dioxin and Mercury Removal from Incinerator Flue Gas
- ◆ Sludge Stabilization
- ◆ Soil Remediation
- ◆ Amine and Glycol
- ◆ Agricultural and Industrial Spill Sites

WPX powdered reactivated carbon is ideally suited for the removal of toxic compounds, dyes, and/or refractory organic chemicals from wastewaters. Being a reactivated product, WPX provides a cost-effective alternative for wastewater purification.

WPX has been evaluated and approved by Zimpro Passavant Environmental Systems, Inc. for use in its PACT system, which combines biological treatment and carbon adsorption into one unit process. The high Iodine number of WPX allows for adsorption of a wide range of organic chemicals present in industrial wastewater. With a maximum ash content of 15 percent, WPX imparts less inorganic impurities than most competitive products and provides a higher quality product when wet air oxidation is used to recycle carbon back to the PACT system.

WPX is also effective in removing mercury, dioxin, and other VOCs in flue gas. Simple injection directly into the flue gas stream can result in greater than 90 percent reduction in contaminant levels. The WPX is removed via the existing particulate matter device, and in most cases, can be landfilled as nonhazardous with the ash constituents. WPX has also proved to be effective in stabilizing soils and sludges, and is used in the stabilization/solidification process of remediation.

### Packaging (Net Weight)

50 lb. (22.7 kg) Multiwall paper bags  
 1000 lb. (450 kg) Supersacks  
 Bulk truck

### Specifications

|                             |         |
|-----------------------------|---------|
| Iodine No., mg/g            | 800 min |
| Ash, by wt%                 | 15 max  |
| Moisture, by wt%, as packed | 4 max   |

|                                |       |
|--------------------------------|-------|
| Screen Size, U.S. Sieve Series |       |
| Percent through 325 mesh       | 60-80 |

### Features and Benefits

- ◆ High activity
- ◆ High average bulk density
- ◆ Maximum ash of 15%
- ◆ Greater range of adsorbed organics
- ◆ Good settling characteristics
- ◆ Imparts less impurities

### Manufacturing Locations

Neville Island, PA

WPX is not for use in potable water or food grade applications.



Visit our website at [www.calgoncarbon.com](http://www.calgoncarbon.com), or call 1-800-4-CARBON to learn more about our complete range of products and services, and local contact information.

**Chemviron  
Carbon**

## Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable federal and state requirements.

Limitations of Liability: The Supplier's liability and the purchaser's exclusive remedy for any cause of action arising out of this transaction, including, but not limited to, breach of warranty, negligence and/or indemnification, is expressly limited to a maximum of the purchase price of spare parts or equipment sold hereunder. All claims of whatsoever nature shall be deemed waived unless made in writing within forty-five (45) days of the occurrence giving rise to the claim. In no event shall the Supplier for any reason or pursuant to any provision of the warranty be liable for incidental or consequential damages, or damages in excess of the purchase price, nor shall the supplier be liable for loss of profits or fines imposed by governmental agencies.



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