



Cabot Norit Activated Carbon Introduces Interactive Carbon Selection Tool for Sediment Remediation Applications

April 25, 2018

Quickly evaluate the performance and efficacy of Cabot NORIT® SedimentPure™ powdered and granular activated carbons

BOSTON--(BUSINESS WIRE)--Apr. 25, 2018-- [Cabot Corporation](#) (NYSE: CBT) today announced the availability of the [SedimentPure™ Activated Carbon Calculator](#), an interactive online modeling tool designed to assist engineers, regulators and stakeholders in evaluating *in situ* sediment remediation options using activated carbon-based reactive caps and permeable reactive barriers. Activated carbon has been identified as an effective material for contaminant sequestration of chlorinated contaminants, such as polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) from sediment pore water.

This modeling tool, developed by Cabot's research and development team, leverages the [CAPSIM Model](#) developed by [Dr. Danny Reible, Texas Tech University](#), for evaluating cap and *in-situ* treatment performance in sediment remediation projects. It is a robust, easy-to-use tool that can provide early guidance to engineers on potential remediation solutions for a contaminated site using [Cabot NORIT SedimentPure activated carbons](#). The Cabot research and development team ran over 500 CAPSIM Model simulations using a range of real life scenarios to show the efficacy of activated carbon reactive cap layers in remedial designs. The calculator output has a coefficient of determination (R^2) value of 94%, indicating that it is highly predictive of the CAPSIM Model for the selected activated carbon and parameter range of key variables such as activated carbon percent (by weight applied in the cap layer), upwelling rate (cm/day), cap thickness (cm) and design lifetime of the cap in years.

"Our SedimentPure Activated Carbon Calculator simplifies the complexity of the CAPSIM Model under a set of actual field scenarios," said David Flannery, global marketing manager, Purification Solutions segment. "It also provides instruction regarding factors that influence the performance and efficacy of activated carbon in different forms under a range of typical site conditions."

To learn more about Cabot's SedimentPure Activated Carbon Calculator, view the video tutorial at: [cabotcorp.com/sediment](#). Access to the SedimentPure Activated Carbon Calculator tool can also be requested at [sedimentpure.com](#).

Download product application information and data sheets:

- [Sediment Remediation InfoSheet](#)
- [NORIT®SedimentPure™ GAC Data Sheet](#)
- [NORIT®SedimentPure™ PAC Data Sheet](#)

ABOUT CABOT NORIT ACTIVATED CARBON

Cabot Norit Activated Carbon is a global leader in the research, development, manufacturing and sale of high-performing activated carbon used in a growing range of environmental, health, safety and industrial applications. Our activated carbon products effectively remove pollutants, contaminants and other impurities from water, air, food and beverages, pharmaceuticals and more. These products are also used as colorants, carriers and catalysts in industrial processes. In addition to our over 150 activated carbon formulations, we also provide activated carbon solutions through on-site equipment and services, including activated carbon injection systems, mobile water filter units and carbon reactivation services.

ABOUT CABOT CORPORATION

Cabot Corporation (NYSE: CBT) is a global specialty chemicals and performance materials company, headquartered in Boston, Massachusetts. The company is a leading provider of [rubber](#) and [specialty carbons](#), [activated carbon](#), [inkjet colorants](#), [cesium formate drilling fluids](#), [masterbatches and conductive compounds](#), [fumed silica](#), and [aerogel](#). For more information on Cabot, please visit the company's [website](#) at: <http://www.cabotcorp.com>.

Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995: Statements in the press release regarding Cabot's business that are not historical facts are forward looking statements that involve risks and uncertainties. For a discussion of such risks and uncertainties, which could cause actual results to differ from those contained in the forward-looking statements, see "Risk Factors" in the Company's Annual Report on Form 10-K.



View source version on businesswire.com: <https://www.businesswire.com/news/home/20180425005269/en/>

Source: Cabot Corporation

Cabot Corporation
Vanessa Craigie, 617-342-6015
Corporate Communications
or

Steve Delahunt, 617-342-6255

Investor Relations