

Bioremediation Product Successfully Used for Environmentally Safe Treatment of Refinery and Chemical Waste



BCP35S/BioSurf is a new bioremediation product for hydrocarbon spills that often result in immediate, long-term and expensive environmental damage. Oil spills can prove fatal for plant, animal and human life and usually last for decades after the spill occurs. The substance is so toxic that it can cause massive loss of species that live in affected areas.

Bionetix International a wholly owned subsidiary of Cortec® Corporation, in the business of manufacturing microbial-based bio-products launched BCP35S/BioSurf as an environmentally safe and economical alternative to the use of chemicals that reduces client's processing costs and increases the time of remediation. BCP35S/BioSurf includes two applications for spills up to 10 square meters. The product is designed to bring two of the best hydrocarbon degrading technologies into one to enhance the three steps of bioremediation. BCP35S/BioSurf kit includes two of Bionetix's bestselling products: BIOSURF, a plant derived biosurfactant solution rich in nutrients that promotes bacterial activation and solubilizes the hydrocarbons, and BCP 35S, a powder blend of beneficial and naturally occurring microorganisms (*Bacillus* and *Pseudomonas*) specialized to degrade hydrocarbon molecules such as: gasoline, diesel, crude oil, BTEX (Benzene, Toluene, Ethylene and Xylene).



Among other applications BCP35S/BioSurf is successfully used for treating 3000 tons of refinery and chemical waste in a big project ini-

tiated by a major integrated oil and gas producer. This project includes treatment of contaminated soil found on gas stations, oil rigs, oil pipelines, and oil fields. Contaminated waste is either taken to a landfill where it is treated with BCP35S/BioSurf or is treated on site.

One sample of crude mineral oil and two soil samples have been submitted for analysis to the Croatian Institute of Public Health after treatment with BCP35S/BioSurf kit. All samples were extracted with an organic solvent and analyzed in the combined gas chromatograph - mass spectrometer (GC-MS) system in order to identify all mineral oil constituents and micro-organic contaminants present in treated soil samples.

All of the recorded characteristic profiles for all samples were reviewed and verified and identifications of the components present were made. After the review of the profiles of the recorded soil sample extracts, treated with the remediation agent, none of the extract samples contained ingredients identified like those in the analyzed solution of crude mineral oil. Test results indicated a very high efficiency of the remediation agent for refinery and chemical waste - BCP35S/BioSurf.

For more information, visit www.bionetix-international.com

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Chlorinators Incorporated exhibiting at the International Water Conference in Orlando November 15-19, 2015

Chlorinators Incorporated is pleased to announce their participation at the 76th International Water Conference (IWC) sponsored by the Engineers' Society of Western Pennsylvania, (ESWP) in Orlando, Florida, November 15-19, 2015, celebrating 40 years serving the water quality industry.

Following the design of the first direct-cylinder mounted all-vacuum gas chlorinator in 1960, a new company was formed in 1975 releasing another safer and more efficient product design.

Since that time, the Regal™ brand has been known both nationally and internationally. The company designs a variety of products for water

processing, serving both municipal and industrial water and wastewater treatment in many industries. In 2015 the company is commemorating its 40 years of service to the water and wastewater industries.

The Regal™ brand product lines serve a variety of industries including municipal, industrial water and wastewater treatment facilities, fruit and vegetable washing, drip irrigation, nurseries, poultry, dairy and other livestock drinking water, meat, poultry and seafood processing.

For more information, visit www.regalchlorinators.com

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