



# Oil Spill Eater II

## The most environmentally safe and cost effective bioremediation process

Osei Corp



**T**he Spill in the Gulf of Mexico, one of the largest in U.S. history. The truth is although there will be repercussions for years to come; fortunately, there is a product like Oil Spill Eater II, that even though it could have been used the whole time during the spill, it is sure to be used now on the clean-up.

Since 1989, Osei Corp has cleaned up of over 14,000 spills as a first and only response tool. Our product, distributed in over thirty-five nations, focuses on speeding up Mother Nature. Oil Spill Eater II (OSE II) is the world's most environmentally safe and cost effective bioremediation process for the mitigation of hazardous waste, spills and contamination virtually anywhere, and of any size. It is an environmentally safe clean-up method because it uses nature's own bioremediation processes to effectively eliminate hazardous materials. OSE II is listed on the US Environmental Protection Agency's National Contingency Plan for Oil Spills (NCP), on the Department of Defense supply chain products, and in the Navy DENIX system.

The process: OSE II is applied to a spill, the biosurfactants attack the molecular structure of the hydrocarbon, by breaking the spill into small particles, then the oil is solubilised which increases the oil-water interface, all in approximately twenty minutes. During this process, the OSE II enzymes will form protein binding sites that will act as catalysts to induce the enhanced bacteria to utilise the broken down hydrocarbon as a food source.

Once these reactions have occurred, several things become apparent; the oil is broken up, adhesion properties are diminished (which causes oil to release from marsh grass, vessels, birds, marine species, beaches and more), the fire hazard is reduced (which



protects responders and ports), the oil is caused to float (which prevents secondary contaminated areas), and most importantly, the oil is detoxified, so it can be used as a food source, at which point the oil is digested to an end point of CO<sub>2</sub> and water, and then the enhanced bacteria die off to pre-spill background levels. While these reactions are occurring, OSE II's nutrient system is rapidly colonising indigenous bacteria (OSE II does not introduce non-indigenous bacteria into any eco system).

Once the indigenous bacteria run out of the OSE II nutrients, the bacteria then utilise the only food source left, the detoxified oil. There are also constituents in OSE II once mixed and activated by natural water, which cause OSE II constituents to molecularly adhere to hydrocarbons, so no matter where the current or tidal action pushes the oil, OSE II will stay with it. OSE II can be used on the surface, below the surface, on the

ocean floor, in marshes, estuaries, sand or soil beaches, on rocks, in bays, ports and harbours, and we have case studies, videos, test results and pictures at [www.osei.us](http://www.osei.us) to prove it.

RRT 6 has had a success with OSE II on the Osage Indian Reservation. OSE II has been used in San Diego Bay by the U.S. Navy for over 100 spills, over a three-and-a-half year period, with no adverse effects to the whales, dolphins and other ocean ecology. BP has used OSE II in Trinidad and Tobago, and at a refinery in Greece. Our tech package lists the many OSE II toxicity tests on salt and fresh water species which shows OSE II to be virtually non-toxic. Oil Spill Eater II is trusted and used by all five bodies of the U.S. Military, and is the best product on the market for cleaning up oil spills of any type and size.

The good news for Osei Corp and the Gulf of Mexico is that BP is finally testing Oil Spill Eater for use on this spill. **I**

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