

Frequently Asked Questions

Oppenheimer Biotechnology Incorporated, a leader in Bioremediation for over 20 years, manufactures products with naturally occurring microorganisms from the Domain Archaea that recycle simple, complex and chlorinated hydrocarbons into natural compounds. OBI products offer sustainable solutions for industrial related issues. Below are FAQs related to the Oppenheimer Formula and Bioremediation.

What is the Oppenheimer Formula ®? It's the name of our proprietary mixture of hydrocarbon degrading microorganisms. The formula results in a highly concentrated blend of naturally occurring hydrocarbon and oil degrading microbes.

What are oil-eating microbes? These microbes are naturally occurring organisms from the Domain Archaea that have been collected from natural water and soil sources around the world. They're selected for their refined palate: they have a particular affinity for consuming hydrocarbon based products (e.g., pollutants such as oil, gas, etc...) and breaking them down to natural compounds.

Why is Domain Archaea important? The greatest difference between Oppenheimer products and those of our competitors is that our products are not made of "bacteria" but a more primitive microbe group called "Archaea". Bacteria usually work under narrow conditions and will only work on one specific contaminant. Archaea microbes are primitive and can tolerate much harsher environmental conditions and degrade a variety of hydrocarbons.

Are your products safe? Yes. All of our products are 100% environmentally friendly, safe for humans, animals & plants, non-toxic, and contains no pathogens. Clean and green!

What is Bioremediation? This refers to any process employing microorganisms to return a natural environment contaminated by pollutants back to its original condition. The highly concentrated blend of microbes in the Oppenheimer Formula ® attack specific contaminants - hydrocarbons - and degrade it to organic materials. More information about Bioremediation can be found at the U.S. Geological Survey.

Why does the product smell like oil? The microbes used in our products were raised on a crude oil diet to ensure that they will always eat oil and fuel. It's "comfort food" to them.

Does this product have any other benefits? Yes. It immediately "locks up" spills, thus preventing further spread of the contaminant, and it immediately lowers the flash point of fuels.

Will the microbes begin consuming material other than hydrocarbons? No. The microbes will not mutate into other life-forms, nor will they become man-eating marauders. Bottom line, they will not convert any materials other than hydrocarbons.

Oppenheimer

Biotechnology Inc.

FAQs Continued

Do microbes need special treatment? They only need what we humans need: oxygen, water, and nutrients. But unlike most of us, they do require a specific food source like oil, fuel or wastes.

What happens to the microbes after the material has been consumed? The microbes will either die, return to former natural levels, or be eaten by other organisms. All part of the beautiful green cycle of Nature!

Are these microbes dangerous? No, these microbes are found naturally everywhere in the world - including on ourselves. The average adult human has approximately three pounds of microbes on and in his/her body.

Are humans or wildlife adversely affected by the use of this product? Intensive tests have shown no toxic side effects. As a matter of fact, by-products produced by these microbes are used as an energy source by higher organisms.

What happens if I inhale or ingest the product? Obviously, not recommended. It will taste nasty, like eating mud, and the dust may make you sneeze, but it is non-toxic. You'll live. Our products are 100% safe for humans, animals & plants.

Are your microbes genetically modified or engineered? No. Our microbes are 100% natural.

Is there a difference between freeze-dried and naturally dried microbes? Yes. The process of freeze-drying typically kills 50% of the microbes. Our natural method of drying does not.

Where can I go if I still have questions? Feel free to contact us. We are here to serve our clients.

The Oppenheimer Formula® is on the U.S. Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that EPA approves, recommends, licenses, certifies, or authorizes the use of The Oppenheimer Formula® on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, Sec. 300.915

PO Box 5919 • Austin, TX 78763 • USA • 512.474.1016 • Fax 512.472.2909 • www.obio.com