Instructions

Part# 5238, 5239, 5233

Ultra-Archaea® Shakers & Bulk Bags

Ultra-Archaea are designed to be applied directly into any system that requires bioremediation (grease traps, dumpsters, containment sumps, etc.). The microbes are housed in a clay powder carrier that keeps them supplied with enough moisture and oxygen to survive until they are deployed. Once deployed, the water may become slightly murky due to the clay powder carrier. This is normal, and should be expected.

Simply add the microbes (and water, if necessary) to the area that needs to be bioremediated. For maximum results, ensure that the microbes continue to receive oxygen (via a bubbler, occassional stirring or oxygen tablets) and are kept moist. Failure to keep the microbes moist will cause the colony to die out. The microbe colonies will live up to 90 days as long as there is a food source available for them to eat. Once the food source has been consumed, they will naturally die out.

Note: In some cases where there is constant addition of organic material, or where organic levels are very high, it may be necessary to add more Ultra-Archaea at staggered time intervals to boost the colonies and their power to consume more waste.

In some applications, where water is not readily present (such as in dumpsters), the Ultra-Archaea can be dissolved in a bucket of water and then splashed or sprayed onto the affected areas. In these cases you will need to add microbes and water whenever the initial application dries out. For larger bioremediation projects (such as bioremediation marshlands or in open water), the Ultra-Archaea can be dissolved in 55-gallon drums of water and applied using an industrial sprayer.

Disclaimer: Ultra-Archaea are not a universal solution for all oil related clean-up applications. It is most effective when the amount of oil is lighter and more of a sheen. Thick layers of oil will require increased amounts of microbes and time to have any noticeable effect. We recommend you contact UltraTech or your local representative/distributor to learn more if your application is a good fit for microbes.

Precautions:

+ Keep Ultra-Archaea dry.
+ **Operating Temperature:** 40°F - 250°F. Temperatures outside that range may cause the Archaea to become ineffective.
+ **Storage Temperature:** -20°F - 140°F
+ Ultra-Archaea require a food source (any organic material, such as hydrocarbons, vegetative waste, sewage, fats, oils, grease, etc.), oxygen, and water/moisture to stay alive. Loss of any one of these three will cause the microbes to die off.
+ Ultra-Archaea colonies will naturally degrade in approximately 90 days.
+ Ultra-Archaea should not be exposed to radiation. This may cause the microbes to die.
+ Ultra-Archaea should only be used in applications where the pH is between 5.5 and 10.0.



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