



**ULTRATECH**  
INTERNATIONAL, INC.

# Instructions

Part# 5232

## Ultra-Microbes<sup>®</sup> Water Soluble Packets

Ultra-Microbe Packets are designed to directly insert the entire packet into any system that needs to be bioremediated (grease traps, dumpsters, containment sumps, etc.). The packet is made of a biodegradable material that dissolves in water and releases the microbes. 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 place the packet into the area that needs to be bioremediated. For maximum results, ensure that the microbes continue to receive oxygen (via a bubbler, occasional 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.

### Precautions:

- + Keep the Ultra-Microbe Packets dry. Package is water-soluble. Do NOT open the packets prior to deployment.
- + Store Ultra-Microbe Packets between 40°F and 130°F. Temperatures outside that range may cause the Microbes to become ineffective.
- + Ultra-Microbes 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-Microbe colonies will naturally degrade in approximately 90 days.
- + Ultra-Microbes should not be exposed to radiation. This may cause the Microbes to die.
- + Ultra-Microbes should only be used in applications where the pH is between 5.5 and 9.5.

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-Microbe Packets 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-Microbe Packets 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.

Disclaimer: Ultra-Microbes 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.





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