



**ULTRATECH**  
INTERNATIONAL, INC.

## Ultra-Archaea for Metabolizing Organic Waste and Odors

Ultra-Archaea contain beneficial microbes that metabolize organic waste and hydrocarbon contamination at the molecular level. The formula is designed to break up and eliminate FOG (fats, oils, and grease), and to bioremediate organic waste, sewage and industrial hydrocarbon-based chemicals. During this process odors are eliminated. Our formula has been listed on the U.S. EPA NCPPS since 1991. Our consortium is Archaea-based, and consists of aerobic, anaerobic and facultative anaerobic species which provide the necessary broad spectrum remediation activity. Unlike bacteria, enzymes and fungi, our archaea tolerate a range of harsh environmental conditions and will degrade a wide variety of contaminants.



### How It Works

On raw spills, landfills, leachate, etc. the microbes break down, degrade, and destroy the organic solids and liquid waste. The noxious odors are quickly eliminated as well, without the use of harsh chemical disinfectants, and chemical deodorizers that simply mask odors temporarily.

The by-products of this remediation process are water, carbon dioxide and harmless essential fatty acids which in fact are food for plants, fish and other organisms. This allows you to quickly and effectively clean up spills and eliminate odors in situ (in place) – saving you time and significant money.

### How It's Used

Ultra-Archaea contain a consortium of non-toxic, non-GMO, non-pathogenic archaea microbes. It is highly-concentrated and packaged in an absorbent clay carrier. It is activated by water, when and where it's most convenient for you. One of the benefits of our product is that "a teaspoon or a ton" can be used depending on your needs. Where a spill has occurred, the formula can be sprinkled or sprayed directly onto hard surfaces, soils and vegetation, as well as open water. The formula is safe for use around humans, plants and animals, on land and aquatic, and will not harm concrete, asphalt, wood, metal, fiberglass and other construction materials. The powder is designed with a 5-year shelf life in its preactivated, powder state. Because the microbes are concentrated in the powder and are not mixed or activated with water until needed, transport is easy and

### Instructions for Use

Where there is a leak or spill, simply sprinkle enough microbes to lightly cover the entire contaminated surface and mist with water if not already wet or damp. The microbes will begin working immediately and reduction of odors should be noticed within an hour. For spills that have absorbed into a surface, work the microbes and water into the spill with a soft brush and keep the area damp for at least 24 hours. The remaining remediated residue can be rinsed off or scrubbed up and hosed away. For treatment of large areas such as landfills or retention ponds, the powder can be mixed with water and sprayed on. A starting point benchmark dosage is 1 lb per 100 sq.ft of land or 1 lb per 200 sq.ft. on the surface of a water body. Reapply the microbes as needed when odors begin to build up or apply preventatively on a regular schedule as appropriate for your specific use.