



# • T E C H N I C A L   D A T A

**M-1000H ★™**

**FOR THE DEGRADATION OF CONTAMINATED SUBSTANCES**

## General Description

**M-1000H ★™** is a biological product designed and formulated for the broad spectrum degradation of a variety of compounds found in contaminated and/or hazardous wastes. These compounds include simple aromatics such as benzene, toluene, ethyl benzene, and xylenes, as well as more complex aromatics like naphthalene, chlorinated compounds, and benzo-a-pyrene. Alkane mixtures, including transport fluids (gasoline and diesel), are also degraded. A variety of chlorinated aliphatic and aromatic compounds such as trichlorethene and chlorinated benzenes and biphenyls (PCBs) are also degraded. This product has been used successfully in a variety of *in-situ* and *ex-situ* applications.

**M-1000H ★** consists of live, specially-selected, naturally-occurring microorganisms, along with a supply of balanced nutrients in a ready-to-use liquid medium.

## Product Specifications

Color	Light pink to tan
pH	6.5-8
Weight per gallon	8.51 lbs.
Specific gravity	1.02
Freeze point	32° F
Viscosity	1.30 cps - 60°F
Odor	Mild organic

These microorganisms thrive in a variety of site conditions with diverse soils and various water chemistries. They are capable of using many hazardous waste chemicals as a carbon source.

## Application

**M-1000H ★** can be applied to contaminated or hazardous substances in numerous ways. For soil applications, the product can be sprayed, or the soil can be reduced to a slurry and circulated with added product. For vadose zone or groundwater applications, the product can be applied into wells or infiltration galleries. Often the addition of specially-formulated nutrients can be used to augment the activity of the product in conditions where macro nutrients such as carbon, nitrogen, or phosphate are limited. A good monitoring program is critical to the success of any bioremediation project.

## Handling and Safety

**M-1000H ★** is a natural, non-pathogenic, non-engineered biological product that meets EPA requirements for release into the environment. Special clothing or equipment are not required for handling

**M-1000H ★**. Routine hygiene should be observed.\*

\*MSDS Available upon request.