



TECHNICAL DATA

M-1000*H[®]

FOR DEGRADATION OF CONTAMINATED SUBSTANCES

General Description

M-1000*H[®] 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.

Product Formula

M-1000*H[®] consists of live, specially selected, biologicals and biochemicals, along with a supply of balanced nutrients in a ready to-use liquid medium. These microorganisms thrive in a variety of site conditions with diverse soils and various water chemistries. They are capable of using many of the listed hazardous waste chemicals as a carbon source.

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	moderate

Application

M-1000*H[®] 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 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-1000*H[®] is a natural, non-pathogenic, non-engineered biological product that meets EPA requirements for release into the environment. Special clothing or equipment is not required for handling M-1000*H[®]. Routine hygiene should be observed.

Shipping

M-1000*H[®] is shipped in two sizes: in 5-gallon containers (45 lbs), and in 55-gallon containers (495 lbs), F.O.B. Round Rock, Texas.

Services

When the use of M-1000*H[®] is indicated, Micro-Bac International, Inc.[®] provides technical support services to its customers.