



# TECHNICAL DATA M-1000<sup>®</sup>BX

## FOR THE DEGRADATION OF CONTAMINATED SUBSTANCES

### General Description

M-1000<sup>®</sup>BX is a biological product designed and formulated for the degradation of a select group of contaminated and/or hazardous wastes. These compounds include benzene, toluene, ethylbenzene, and xylenes (BTEX). This product has been used successfully in a variety of *in-situ* and *ex-situ* applications.

M-1000<sup>®</sup>BX consists of live, specially selected, naturally occurring microorganisms, 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 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<sup>®</sup>BX 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 M-1000<sup>®</sup>BX. For vadose zone or ground water applications, the bacteria 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 biorremediation project

### Handling and Safety

M-1000<sup>®</sup>BX 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-1000<sup>®</sup>BX. Routine hygiene should be observed.

### Shipping

M-1000<sup>®</sup>BX 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<sup>®</sup>BX is indicated, Micro-Bac International, Inc.<sup>®</sup> provides technical support services to its customers.