



PRODUCT BULLETIN

BIOTEK 43

Microbial Hydrocarbon Degradar

General Description

BIOTEK 43 has been specifically formulated for oil field and refinery wastes. **BIOTEK 43** can be used in waste treatment systems, oil sludge farming operations and spill clean-up situations. **BIOTEK 43** is designed to deal with wastes resulting from pumping, distilling, fractionation, alkylation and polymerization processes where wastes are usually of large volume containing high suspended and dissolved solids, surfactants, oil, wax, sulfides, mercaptans, phenolic compounds, cresylates, and other hydrocarbon based compounds. Cyanides are biologically removed from solution.

BIOTEK 43 is a formulation of adapted microbes and biochemical accelerators. The unique combination of cultures in **BIOTEK 43** rapidly degrades various hydrocarbons and organic chemicals which may be toxic, inhibitory or bioresistant to natural microbial populations. Destabilization of biological systems such as changes in incoming waste concentrations, composition of waste, pH, temperature and nutrient level can be mitigated with the regular addition of **BIOTEK 43** to the wastewater and waste disposal systems. The microbial protoplasm produced is a biodegradeable source of food for higher life forms.

Application

Specific application rates are dependent on waste composition. Testing of a sample of the waste stream will determine application rate. For optimal results the wastewater treatment system should meet the following conditions:

	OPTIMUM	MINIMUM	MAXIMUM
Influent pH	7.0	6.0	9.0
Dissolved Oxygen, ppm	2.0+	1.0	----
C/N/P ratio	100/10/1	100/5/1	100/20/1
Temperature, C degrees	30 (86 F)	10(50 F)	40(104 F)
Toxic metals, ppm (IE:, hex, chromium)	0	0	2

Physical Properties

Form	Free-flowing powder
Color	Buff to brown
Specific Gravity	.05 - 0.7
Contents	Adapted microorganisms and growth stimulants

Availability

BIOTEK 43 is available in 25 pound and 100 pound containers.

Handling

Observe warning label on product container. Normal precautions for industrial chemicals apply.