

# Bioremediation Microbes

## IHM 2000

### Industrial Hydrocarbon Microbes



#### Applications

**IHM 2000** is a proprietary blend of bacterial cultures specifically designed to degrade the light-distilled oil fractions, as well as the heavier fractions of hydrocarbons normally associated with #4, #5 and #6 fuel oils, crude oil and coal tar.

**IHM 2000** cultures are not genetically engineered. These cultures are naturally occurring, selectively adapted, and tolerant of high contaminant concentrations.

#### Benefits

- Decontaminates soil and ground water containing hydrocarbons resulting from leaking underground storage tanks, transfer line leaks, and spills
- Eliminates or reduces further environmental damage through biodegradation of contaminant plume.

#### Features

- Rapidly degrades all major organic components of #4, #5 and #6 fuel oils, crude oil and coal tar.
- Available in liquid and dry formulations.
- Can tolerate petroleum concentrations inhibitory to many indigenous populations.

#### Advantages

- Eliminates future liability risks associated with offsite disposal.
- Remediates with minimal site disruption.
- Provides a natural and ecologically sound approach to remediation.
- Improves degradation of petroleum hydrocarbons in biological wastewater treatment systems.

## Product Characteristics

### Dry Culture

Bacteria Count	5 billion/ gram
Stability	Max loss of 1.0 log/ yr when stored under recommended conditions
pH Range	6.0- 8.5
Bulk Density	0.50-0.62 g/ cm <sup>3</sup>
Moisture Content	15%
Appearance	Free-flowing Tan Powder

### Available Packaging

- 25 pound pail
- 50 pound drum
- 1 pound solupak
- 1 & 2 pound BIOSOCK®

### Liquid Culture

Non-stock Item.	Call for shipping estimate. Typically 2 –3 weeks backorder.
Bacteria Count	Min. 100 mil/ml, 380 billion/ gal. at time of manufacture
Stability	Max loss of 1.0 log/ 6 mos. when stored under recommended conditions
pH	Neutral
Specific Gravity	1
Appearance	Turbid Liquid

### Available Packaging

- 5 gallon pail
- 250 gallon tote
- 55 gallon drum

## Optimum Conditions for Use

IFM's bacteria cultures perform within a pH range of 6.0- 9.0 with the optimum typically near 7.0. Wastewater temperatures affect activity, with an approximate doubling in maximum growth rate for each 18°F (10°C) increase in temperature to an approximate upper limit of 104°F (40°C), unless otherwise indicated. Very low activity can be expected below 41°F (5°C).

## Storage and Handling

Store in a cool, dry place. Avoid inhalation. Wash hands thoroughly with warm, soapy water after contact. Avoid eye contact.

## Nutrient Requirements

For best results, use **IFM's Microbial Nutrient Products** for your nutrient and micronutrient needs. Each blend is carefully formulated to optimize microbial degradation and achieve desired end points in a minimum timeframe.

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