

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

### BIOSPEC 1470

#### Microbial Hydrocarbon Degradator

##### General Description

**BIOSPEC 1470** hydrocarbon degrader is specifically formulated to degrade refined hydrocarbons from spills on land or in saline or freshwater environments. **BIOSPEC 1470** degrades heavy and light hydrocarbons in the soil, on beaches, in tanks, and in biological treatment systems. The formulation is a multi-component, biological complex based on broad-spectrum, hydrocarbon degrading microorganisms which tolerate saline conditions. These bacteria are capable of using aromatic, asphaltic, paraffinic and naphthenic crude oils as sources of carbon. The crude oil is converted by the microbes to carbon dioxide, water and microbial protoplasm. The microbial protoplasm produced is a biodegradable source of food for higher life forms. Intermediate products from the crude oil processing such as organic acids, alcohols, aldehydes, ketones, esters, and other chemical intermediates can also be degraded.

**BIOSPEC 1470** is used to degrade spills of gasoline or other light hydrocarbons in the soil, on the beach or in salt water. **BIOSPEC 1470** may be effectively used in all biological treatment plants receiving saline (2+%) wastewater.

##### Application

Dilute with clean water to make a 6% solution. (1 pint per 2 gallons of water). After initial application, repeat 3 times a week for 2 weeks. For week 3 & 4, treat 2 times per week. After that, treat once a week until the desired level of degradation is reached. The actual program used is predicated on the concentration of contamination. Weather conditions can also affect the duration of treatment. Results can be normally expected in 90 days with 180 days usually adequate to remediate even the most difficult petrochemical contaminated sites.

##### Physical Properties

Form	White Clear to Cloudy Liquid
Odor	Bland
Specific Gravity	1.00 - 1.01
Contents	Adapted microorganisms and growth stimulants
Bacteria Spore Count	600 Billion per gallon

##### Availability

**BIOSPEC 1470** is available in UN approved 5-gallon pails, 55-gallon drums and bulk quantities.

##### Handling

Observe warning labels on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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