

HC-SERIES

MICROBIAL HYDROCARBON REMEDIATION FORMULAS

PRODUCT INFORMATION BULLETIN

EnviroLogic
BIO-BASED TECHNOLOGIES Inc.

Product Overview

The **HC-SERIES™** is our professional product line for the bio-remediation of deep soil and ground water hydrocarbon contamination. These formulas were developed to help solve contamination situations that demand minimal disruption to surrounding environments while maintaining economic feasibility. The **HC-SERIES™** affords you the ability to reach deep into contaminated areas, perform *in-situ bio-remediation*, realize dramatic material & labor savings and accomplish remediation goals in a short period. The **HC-SERIES™** is a blend of naturally occurring, live synergistic micro-organisms that are chosen for their exceptional ability to bio-remediate hydrocarbons rapidly. **SpillAway Brands** can custom blend this product for your specific needs and unique contamination problems.

How To Use This Product

Each of the HC-SERIES products should be used for specific contamination issues & geological situations. The summary below is a general synopsis of each products specific designated use. **Please call us for specific application directions & methods.**

HC-100

This is our general use product for the bio-remediation of soil and ground water hydrocarbon contamination. This formula was developed to solve situations that demand minimal disruption to surrounding environments while maintaining economic feasibility.

We recommend the use of **Remediact™** with this product.

HC-200 KIT

This is a professional product for in-situ bio-remediation of hydrocarbon contaminated oily water, groundwater plumes & industrial wastewater, ponds and lagoons. This formulation was developed to rapidly degrade the major components of BTEX, higher range aromatic and aliphatic compounds.

HC-300 KIT

This is our finest professional product for the in-situ and ex-situ bioremediation of hydrocarbon contaminated soil. This formula was developed to specifically degrade light and heavy oil fractions. **HC-300 Kit™** affords you the ability to degrade major gasoline range organics, DROs from #2 through #6 fuel oils, crude, tar, creosote and PAHs.

Where To Use This Product

Following is a partial list of the hydrocarbons that **HC-SERIES™ PRODUCTS** can remediate. Please contact **SpillAway Brands™** if you have any questions about its usage:

- DIESEL FUEL
- HEATING OIL
- GASOLINE
- BENZENE
- PARAFFIN
- LUBRICATING OIL
- PAINT THINNERS
- MINERAL SPIRITS
- MOTOR OIL
- AROMATICS
- ETHYLBENZENE
- JET FUEL
- CUTTING OILS
- GLYCOLS
- ALCOHOL
- NAPHTHALENE
- CRUDE OIL
- TOLUENE
- KEROSENE
- SOLVENTS
- ANTI-FREEZE
- ORGANIC PESTICIDES
- ORGANIC HERBICIDES
- TRANSMISSION FLUID
- XYLENE
- ORGANIC SOLVENTS
- GREASE
- TARS

Technical Information

HC-SERIES™ PRODUCTS are an active mixture of hydrocarbon-oxidizing, naturally occurring, single-celled micro-organisms and water. These products are specially formulated to be safe, environmentally enhancing and effective

PHYSICAL PROPERTIES:

Appearance: Clear Liquid
 Odor: Organic
 Boiling Point: 212° F.
 Soluble in Water: Complete
 pH Concentrate: 6.9 to 7.2
 pH Diluted: 6.9 to 7.5
 Evaporation Rate: Same as Water

PRODUCT EFFECTIVENESS: The effectiveness of this product and the "speed" at which it works is determined by certain factors. In general these factors are as follows:

TEMPERATURE: The warmer the temperature, the faster this product will work.

The effective operating temperature is between 42° F. & 120° F.

AERATION & PRESSURE: Aeration (air hose or "bubbler") & pressure speeds the process.

TYPE OF HYDROCARBON: Some hydrocarbons take longer than others.

The Bio-Remedial process generally will begin immediately but may take longer to complete depending on the above factors.

Packaging Information

5 GALLON "CUBITAINERS"
 2-1/2 GALLON "F STYLE JUGS" (2 per Case)
 1 GALLON "F-STYLE JUGS" (4 per Case)
 55 GALLON DRUMS
BULK PACKAGING AVAILABLE

