

Remediact

ENHANCED MICROBIAL COMPOUND - SOIL REMEDIATION FORMULA

Remediact™ is an innovative concept in the remediation of soil tainted with hydrocarbon contaminants. It is a natural absorbent that has been specially blended with hydrocarbon digesting microbes. These microbes have the ability to turn most hydrocarbons into carbon dioxide (CO₂) and water. **Remediact is designed to environmentally clean-up and restore soil to its pre-contaminated condition.** Soil contamination poses health risks through both contact and leaching. The traditional clean-up of contaminated soil would require costly removal, time consuming transport, heavy machinery and sometimes containment of high toxic materials and sites. More and more occurrences of soil contamination arises due to the high degree of industrialization and intensities of chemical uses. It is imperative that **eco-friendly, cost effective and natural means such as Remediact are implemented when soil contamination situations arise.** When used in accordance with the prescribed directions, **Remediact will safely and effectively solve you contamination problems with very little labor and equipment expenses.**

Remediact™ is an exception cleaning product for soil contamination. Some of its key features and applications are:

- BILGES - BALLASTS - OIL/WATER SEPARATORS
- INTERCEPTORS AND OILY WASTE TANKS
- GENERAL CLEANING & DEGREASING IN ENGINE ROOMS
- REDUCES OVERALL MAINTENANCE COSTS
- REDUCE HEALTH & SAFETY ISSUES
- APPROVED BY US NAVY - USCG - MILITARY SEALIFT COMMAND
- ENVIRONMENTAL DIRECTIVE EIN 201

Remediact can be used to remediate most petroleum hydrocarbons. *The following is only a partial list of the most common contaminant's:*

COMMON HYDROCARBONS:

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

Remediact™ is a highly concentrated and effective environmentally safe product for the remediation of soil contamination. Each site is a unique situation as contamination levels and terrain vary however the directions should cover most situations. *The following suggested directions are a general guideline to the use of the product:*

GENERAL CLEANING:

1. Use 2 lbs. of Remediact™ per cubic yard of contaminated soil;
2. Till Remediact™ with either a rototiller or suitable equipment in order to insure a homogeneous blending of this product with the soil & maximum contact of the Remediact™ with the hydrocarbons. Moist soil (not saturated) works best for tilling but not required;
3. After tilling is complete, wet the area thoroughly with the appropriate levels of water and the enclosed blue "micronutrient crystals". There are four (4) nutrient packets enclosed. Mix each packet with 150 gallons (3-55 gallon drums) of water. This mixture is not critical but it will give you the most effective result when treating 15 cubic yards.
4. Try to maintain a moisture level of about 30% to 40%. This moisture level is reached when the soil has the consistency of "soft mud".
5. If possible, wait approximately 3-4 weeks and re-till the soil and add water to provide the moisture levels as above.

PHYSICAL PROPERTIES for Remediact:

Appearance: Grey Powder Odor: None Boiling Point: 212° F. Soluble in Water: Insoluble pH Concentrate: 6.9 to 7.2

PHYSICAL PROPERTIES for Micronutrient Crystals:

Appearance: Blue Crystals Odor: Ammonia Boiling Point: 212° F. Soluble in Water: Insoluble pH Concentrate: 6.9 to 7.2 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. (Between 50° F. to 90° F.)

AERATION & PRESSURE: The use of aeration (air hose or bubbler) and pressure speeds the process.

TYPE OF HYDROCARBON: Some hydrocarbons take longer than others. The bioremediation process will begin immediately but may take longer to complete depending on the above factors.

PACKAGING: 5 gal., 55 gal., 275 gal. tote containers and bulk packaging available, please call for details and options.

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER, PLEASE CONTACT



Total Bio Solution, LLC

BIOREMEDIATION CLEANING
PRODUCTS FOR A
CLEANER, GREENER WORLD

Total Bio Solution, LLC is a distributor of bioremediation cleaning products that eliminate spills, contamination and environmental hazards utilizing eco-friendly solutions manufactured by EnviroLogic, Inc.

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