



GROUND

Remediation of Petroleum Hydrocarbons

A
REME
BLDG.com

A Kleen Chemistry

BIOREMEDIATION SYSTEMS

A complete system requiring no other chemicals or additives. All ingredients are direct-release according to EPA Safer Choice Criteria.

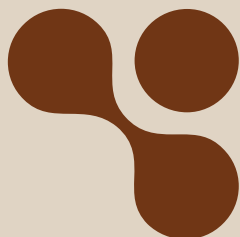


PRODUCT INFO

This blend contains of a variety of specialized bacterial & enzymes that have been specifically selected for their ability to effectively degrade petroleum hydrocarbons in soil and other environments in need of bioremediation.

GROUND has been formulated to work synergistically with the Pretreatment accelerant, however on its own GROUND will out perform other biological remediation products on the market.

This synergistic two-part system can also be used to clean and remediate engine bays, oil and asphalt storage tanks where oil and lubricant waste is present.



What is Remedi?

Derived from bioremediation - this highly effective line of products containing specialized, friendly bacteria and enzymes, can truly be referred to as probiotics for industrial, commercial and residential environments. Our integrated chemistry of ecologically focused ingredients accelerate the emulsification and dissolution of targeted soils and pollutants.

- Going beyond green & sustainability, these products support the rapid return of our environments to their natural state
- Unique blends that target specific soils & pollutants, including long-chain & short-chain hydrocarbons
- Improves air quality; reduces hydrogen sulfide, indoor air-pollution & other foul odors, while enhancing healthy BOD, COD levels
- Continued environmental benefits throughout drains, sewer system networks and water tables

DIRECTIONS FOR USE

Products:

- GROUND Powder (The most effective formula)
- GROUND Liquid (Powder is slightly more effective than Liquid)
- Pretreatment (accelerant, emulsifier & soil conditioner)

Dilutions:

Note; Pretreatment is recommended, yet not mandatory

Backpack or Garden sprayers (3 to 4 gallon capacity):

Add one gallon of Pretreatment + one pouch of GROUND powder (or one gallon of GROUND Liquid) to sprayer. Fill remainder of sprayer with water and stir or shake.

Truck or Trailer sprayers:

Add Pretreatment + GROUND + water. For example, in a 150 gallon tank, add 50 gallons Pretreatment + 25 pounds of GROUND powder (or 50 gallons of GROUND Liquid) + 50 gallons of water.

Note; When used alone, or without Pretreatment, simply replace Pretreatment with water

Instructions

Spray onto contaminated area to be remediated, according to coverage listed below:

1 gallon of mixed solution will treat 6½ to 12 cubic feet of soil (2 to 4 cubic meters), depending on level of contamination.

WARNING

GHS pictograms not indicated for this product

GHS Hazard Statements

There are no GHS Hazard Statements.

NOTICE: Please see Safety Data Sheet (SDS) for GHS Precautionary Statements before use.



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THE TECHNOLOGY

Remedi **GROUND** has been specially formulated to remediate surfactant, phenol and hydrocarbon contamination. It has been designed for use in a range of applications, such as land and water remediation by adding cultured microorganisms on and beneath the surface for the purpose of biodegrading specific soil and groundwater contaminants. **GROUND** is formulated with a variety of species that have been scientifically proven to help degrade hydrocarbon and phenolic chemicals.

GROUND Powder utilizes a specially selected organic carrier to stimulate biofilm formation within our natural bacteria blend. This helps the microbes maintain themselves within a system by sticking to the surface of this carrier, then using it as base for floc formation. Through this mechanism, the **GROUND** formula can persist and grow within a system through the formation of flocs. Typically, this mass develops at a rapid rate and as a compact structure with a sludge.

During coke (fuel) production, large volumes of liquid sewage-waste is generated, which has a complex chemical composition containing several toxic and carcinogenic substances, such as aromatics, cyanide and ammonium. **GROUND** has been able to successfully remediate this discharge. Application of Remedi **GROUND** led to a greater-than 50% reduction of polyaromatic hydrocarbons and phenol concentrations to below EU Industrial Emissions Directive limits.