Use Foilspill™ to break down petroleum hydrocarbon pollutants in environments where the natural rate of degradation is unacceptable.

- Foilspill is recommended for use on crude oil and on petroleum distillates. In general, it is suitable for treating wastes than can be disposed in Class I (RCRA) landfills.
- Foilspill is intended to be used in contained situations only (not in open, natural waters).
- Foilspill should not be used in the presence of chlorinated hydrocarbons or on water where salinity exceeds 6% dissolved salts.

Soil Treatment

Rate of application:

Foilspill:
Dilute 0.5 gallons of Foilspill Liquid in 4 gallons of water per cubic yard of contaminated soil.

At contamination levels above 50,000 ppm, repeated applications may be necessary.

Instructions: Foilspill must be thoroughly mixed with the soil being treated. This may be accomplished by windrowing or tilling. (Till in one direction, turn 90 degrees, and till perpendicular to the original till). The soil must be kept at approximately 60% of saturation moisture. The most important factor in degrading petroleum in soil is soil moisture. Irrigate and test often. Do not apply Foilspill when soil temperature will drop below 50° F during the three-month treatment period.

Water Treatment

Rate of application:

Foilspill:
Use 0.5 gallons of Foilspill Liquid per 600 gallons of contaminated water.

At contamination levels above 50,000 ppm repeated applications may be necessary.

Instructions: Spray the full quantity of Foilspill mixture evenly onto the surface of the contaminated water.

Effective temperature range is from 54° F (12° C) to 113° F (45° C).

Addition of Nutrients

If the soil or water is deficient in either nitrogen or phosphorus or both, supplementation is necessary. To determine the weight of nitrogen supplement, multiply the total weight of petroleum hydrocarbon by 0.0266. (Remember that no source of nitrogen is 100% nitrogen.) To determine the amount of phosphorus supplement, multiply the weight of hydrocarbon by 0.0037. (Again, no phosphorus source is totally phosphorus.)

Duration of Treatment

As soon as Foilspill is applied to the remediation site, degradation of hydrocarbon will begin, continuing until all hydrocarbon has been consumed. Remediation will usually be complete within 3 weeks to 3 months.

FoilSpill

Petroleum Degradation

About Single Cell Solutions

Single Cell Solutions, Inc. is a microorganism and enzyme product development and consulting company. We develop environmentally friendly, non- hazardous solutions for the Petrochemical, Janitorial and Sanitation, and Agricultural industries.

Single Cell Solutions was formed in 2010, and is based in Houston, Texas.

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