



# KE-BioEnhancer™ Application Guidelines

This guide applies to:

KE-BioEnhancer™ 850	Biodegradation Enhancer
KE-BioEnhancer™ 850-1	Biodegradation Enhancer for Diesel
KE-BioEnhancer™ 850-2	Biodegradation Enhancer for PAHs/BTEX
KE-BioEnhancer™ 850-3	Biodegradation Enhancer for Halogenated Hydrocarbons

The products are highly concentrated. As supplied in the powder form, 2.33 pounds of KE-BioEnhancer™ 850, 850-1, 850-2, or 850-3 makes 5 gallons of liquid concentrate. A general rule of thumb is that 1 gallon of liquid treats a concentration of 40,000 ppm of contamination in one cubic yard of average soil. So for a concentration of 2% Diesel fuel (20,000 ppm) in the soil, one gallon of concentrate would treat about 2 cubic yards of soil if the product and soil were uniformly mixed and aerated.

Note: For optimum product performance, never use less than 1/4 gallon of KE-BioEnhancer™ per cubic yard of soil even when treating low concentrations of contamination (e.g. 4,000 ppm of contamination or less).

But uniform mixing is difficult with such small quantities of liquid. And it is difficult to precisely control the amount applied. A more practical guide is as follows:

- ! For porous soil: Add an additional 10 gallons of water for each gallon of diluted chemical concentrate and saturate the contaminated area using a pressure sprayer.
- ! For tightly compacted soil: Add an additional 20 gallons of water for each gallon of diluted chemical concentrate and saturate the contaminated area using a pressure sprayer.

Very important: 850 series products are so concentrated that all the components are not solubilized in the concentrate. The concentrate needs to be mixed thoroughly during dilution so that the insoluble components in the concentrate are evenly distributed in the diluted solution where they will dissolve.