

# Soil Clean

Recent breakthroughs in science and technology have discovered that by using the correct beneficial bacteria, virtually any dirt build, FOG's (fats, oils, greases) or even hydrocarbon-based oils can be cleaned, bio-degraded, and removed more quickly, more cost effectively and best of all, are more environmentally friendly than traditional harmful chemicals.

## INTRODUCING DRIZIT SOIL CLEAN

### What is DRIZIT Soil Clean Bioremediation?

#### What makes Our Bioremediation different?

Bio-Augmentation with DRIZIT Soil Clean is the addition of naturally occurring microbes to oil spill sites and is the quickest and best way to clean up petroleum contaminated spills.

#### The Bioremediation Process

As in all products, water and oxygen must be present to allow the microbes to break down organic waste into carbon dioxide, water, and soluble fatty acids. Fatty acids are a water-soluble food for fish and plants. These microbes are activated by water, allowing users to choose when they would like to activate the microbes at their convenience. Warmer weather is more favourable to promote the acceleration of the microbes in populating and degrading the waste contaminant. However, it is not the main factor.

#### The Bioremediation Process. Hyper-degradation.

To have hyper-degradation (faster than normal) there must be a minimum  $1 \times 10^7$  oil degrading microbes per gram of contaminant to override the indigenous population of microbes. The more hydrocarbon degrading microbes present at the site of the spill, the faster and more efficient the remediation process. DRIZIT Soil Clean is designed with the maximum volume of microbes per gram, ensuring minimal dosing at higher efficacy.



#### Health and Safety:

##### Soil Clean microbes are:

- collected from naturally occurring sources.
- routinely analysed for dangerous and toxic micro-organisms, and are human, animal and plant pathogen free.

Extensive independent laboratory and field tests have documented the superior efficacy, safety, and reliability of Soil Clean.

#### Benefits of DRIZIT Soil Clean

The biggest benefit of using DRIZIT Soil Clean is its contribution to the environment. In a nutshell, it uses nature to fix nature. Properly applied, it is the safest and least invasive soil and groundwater clean-up method available.

#### The major benefits of bioremediation are:

- Completely natural process with no harmful side effects
- Carried out in-situ for most applications with no dangerous transport
- Quick turnaround time to make soil and water useful
- Minimal equipment needed
- Positive public acceptance due to organic process and little disturbance
- Cost effective to maintain and economical to input
- Lowers liability, as contaminants are less likely escape
- Little energy consumed compared to incineration and landfilling
- High acceptance from regulatory authorities
- Helps ensure a cleaner, safer, healthier environment for generations to come.

#### Case Study:

A leading petrochemical company presented their current internationally established benchmark bacterial product to a performance challenge against the indigenous bacteria in Soil Clean. Soil Clean's proprietary bacteria system showed a massive 99% improvement in overall Total Petroleum Hydrocarbon (T.P.H.) degradation, while costing a fraction of the price. An unexpected result showed our Soil Clean bacteria degrading waste at a staggering 20% faster rate with profound further performance, cost, and environmental advantages.

CODE	PACKING
BC10131	10kg



# THE POWER OF THE MIGHTY MICROBE.

