

Piranha - Product Data Sheet

Product Description

Piranha contains a special blend of macro and micro nutrients and naturally occurring oil degrading microbes that are blended into a dry absorbent powder. These microbes have been selected for their large appetite to consume and convert fuels and oils, both biochemically and physically.

This combination works together to quickly eliminate and destroy hydrocarbon spills. Allowing you to quickly treat spills in place, saving time and money.

When Piranha is applied to a spill:

1. It immediately contains and locks up the spilled material.
2. Adding water activates the microbes.
3. The nutrients turbo charges the microbes to quickly breakdown, degrade, and then convert spills into non-toxic byproducts.

In order to work this product needs to come into contact with the spilled material. This is a key point to remember in order to achieve successful results. The newer or fresher the spilled material the faster the clean-up time.

For example - if spilled material is deeper than 15 centimetres in the soil and you have applied Piranha on the surface, you will need to dig up or rake to blend everything together. The addition of a neutral pH-based detergent can help to emulsify the oil, allowing the product to be able to break it down at a faster rate.

Recommended Application Method

Step 1: Broadcast or sprinkle enough Piranha onto the spill to completely cover the affected area. This locks the spilled material physically into the product. Let sit in place a few minutes.

Step 2: Add water - approximately 10% of moisture. The addition of water activates the product. A light spraying with a garden hose works well. The moisture content does not have to be exactly at 10%. If it rains after application, it's not a problem. The product will stay locked into the spilled material and continue to work.

Step 3: Unless the spill is less than 15 centimetres deep, you will need to dig up or rake to mix the product and the spilled materials together. This is to ensure that the microbes come into contact with the material they are degrading.

Depending upon the starting level of total petroleum hydrocarbons you may need to reapply the product in a couple of weeks to achieve the best results.

About Archaea

Inspired by nature's own method to clean up contaminated land and water, we use Archaea to clean up oil-spills on site. Archaea were on earth within 1 billion years of Earth forming. Earth was very hot, lots of methane and ammonia. Toxic for life today, but just right for Archaea.

Product facts

- Concentrated gray powder
- Naturally occurring Archaea microorganisms blend
- Organic and non-toxic
- Five years+ shelf life
- Hydrophobic
- Aerobic/Facultative
- Certified pathogen FREE
- Activated by fresh, salt or brackish water.
- Salinity tolerance up to 24%
- Temperature range 0-50°C
- pH tolerance 5.5-10.0
- Not freeze dried or GMO

Works on e.g.

- Crude oils
- Refined oils
- Refined fuels
- Home heating Oils
- Marine Fuel
- Kerosene
- Hydraulic Fluids
- Grease
- Wastewater

Application Rate

In soil

1,5 – 2,0 kg product per 1 m².

In water (closed system)

1,2-1,8 kg per 1 000 l.

Technical support

As the supplier of this product we take pride in delivering all necessary support to our clients. We believe that our success is due to the importance that we place on working with excellent products along with our technical expertise within bioremediation. Do not hesitate to contact us.