



iSorb® MioGel: SOIL
The Controllable Solution

All-Natural Microbial Bioremediation



Did You Know?

Only one quart of oil can contaminate as much as a quarter-million gallons of water. That's why we developed iSorb®. iSorb was developed to help solve that problem. iSorb MioGel brings control and, ultimately, conservation to the bioremediation process by protecting our water from secondary contamination.



Using science to change the way you think about hydrocarbon remediation of soil.

What is iSorb® MioGel?

It is a patented formulation of natural ingredients that transforms water into a smart gel, loaded with trillions of hydrocarbon-consuming microbes. Available in variable viscosities that are just right for each application, iSorb® MioGel delivers faster results in fewer applications.

MioGel for Soil

For soil remediation, what makes these smart gels so effective is their ability to respond to environmental changes. Weather and time can dry out treatment areas, slowing the bioremediation process. MioGels will expand and contract over and over again, taking on and releasing moisture as needed. This creates an environment where microbes can function at peak and thrive in situations where they would normally die from dehydration. It is this adaptability to environmental stress that makes MioGel so effective on soil applications.

Our standard soil formulations are ideal for treating contamination levels less than 50,000 parts per million and will remediate most hydrocarbons. Custom formulations are available.

Suggested Applications

- Aerobic Bioremediation
- Land Farming
- Geoprobe Injection
- Gravity-Feed Systems
- Environmentally Sensitive Areas



Smart, Controllable, and Adaptive: iSorb MioGel for soil bioremediation

Where to Use

In-situ bioremediation. We formulate MioGels for soil in viscosities designed to filter through most soil types. Traditional treatments that use water as a carrier can struggle to treat environmentally sensitive areas or any area where using excessive amounts of water is unsafe or operationally inefficient. Because MioGel does not use water as a delivery mechanism, it offers the controllability to apply what you need, where you need it.

Ex-situ bioremediation. Often, the need to immediately access the affected site means that contaminated soil must be excavated and moved to an alternative area on the site or be hauled away for treatment. In these situations, MioGel is extremely effective when mixed through contaminated soil.

How to Use

Before starting any soil treatment, first test the soil to make sure the product you select is formulated to address the contaminant on your site. Because every site has its own unique circumstances, we work with you to determine the best application

method, quantity, and treatment plan to meet your goals. MioGels are always ready to use and never need to be diluted or mixed. On average, five gallons of MioGel will treat eight to ten cubic yards of contaminated soil.

Popular Formulations

Standard formulations are extremely effective at remediating petroleum products, crude oils, diesel, gasoline, jet fuel, cutting and turbine oils, mineral spirits, mineral oil, and transformer and cable lubricating oils found in soil with contamination levels below 50,000 parts per million.

Custom Formulations

If your project needs cannot be met by one of our popular treatments, talk to us about a custom formulation. We can customize based on viscosity and/or microbial blend. Blends are available to treat contaminants such as aromatic hydrocarbons, creosote, chlorohydrocarbons, benzene, and more. Contact us to discuss your specific needs.

Formulated into highly controllable, application-specific viscosities using North American indigenous, hydrocarbon-consuming microbes blended with all-natural ingredients. MioGel is all-natural, non-hazardous, non-flammable, non-corrosive, and non-toxic to humans, aquatic life, or the environment.

Technical Information

Appearance:	Off-white, semi-opaque gel
Regulatory:	MioGels are not regulated as hazardous materials
Application:	Apply by hand or automation (No mixing or diluting required)
Effective Temperature:	40°F (5°C) – 104°F (40°C)
Storage Temperature:	40°F (5°C) - 70°F (20°C)
pH Level:	7.2
Caution:	May cause slippery conditions. Use caution to avoid slips and falls.
Disposal:	Disposal of used product must comply with all federal, state/provincial, and local laws.

Product Effectiveness

Bioremediation is a natural process. Its effectiveness and speed are dependent on a variety of factors. For example: the level of and age of targeted contamination; substrate being treated; ambient temperature; and type of hydrocarbon being treated.



Not all hydrocarbons are the same; some take longer to remediate than others.

Every job site is unique. Contact us so we can help you develop a treatment plan to meet your specific needs and goals.

MioGels for Soil

Product Code	Name	Description
S4WF3	Factor 3 MioGel	Primarily used as a spray treatment for most surface soils.
S4WF14	Factor 14 MioGel	Primarily used to mix with and coat soils in-situ or in land farm applications.
S4WC	Custom Blend	The microbial blend and/or viscosity can be customized to meet unique site requirements. Contact us for further details.

MioGel is shipped ready to use, with no diluting or mixing needed. Available in 5 gal pail (19L), 24/pallet; 55 gal drum (208L), 4 /pallet; 275 gal tote (1041L), 1/pallet.