

### INFORMATION

**Bio-W** introduces a new era in **the absorption and disposal of hydrocarbon contaminant's facing today's complex and demanding industries.** **Bio-W** is the **first bioremedial, floating absorbent designed to collect and contain most hydrocarbons floating in water** (both salt and fresh water). This product has the ability to repel water therefore allowing it to "hold" only the hydrocarbons it absorbs. When the hydrocarbons are "locked" or adhered to the fibers of the **Bio-W** flakes, the activated microbes will begin to remediate or "eat" the contaminant turning the hydrocarbons into harmless carbon dioxide (CO<sub>2</sub>) and water. **Bio-W** will remain floating, even when fully saturated with hydrocarbon contamination. **It will not leach or drain during the bioremedial process.** This product is a **natural, non-hazardous, non-polluting compound that is manufactured through a patented process to solve contamination problems occurring on water and to reduce the cost and environmental impact of the disposal of these contaminant's.**

**Bio-W can be re-used after an absorption of a spill.** It can be used to absorb another spill or aid in the process of soil remediation. It is not as aggressive in soil remediation as some of our other more specific soil remediation products however, it does **act as a natural fertilizer and is not harmful in any way to the environment.**

### USES & APPLICATIONS

Bio-W™ is an highly effective bioremedial cleaning product that can be used in all phases of manufacturing as well as commercial and industrial operations. *Some of its beneficial uses and applications are:*

- Holding Lagoons
- Trailer Interiors
- Manhole Areas
- Trenches
- Elevator Pits
- Auto & Truck Wash Areas
- Airports
- Forestry Mills
- Oil-Water Separators
- Construction Sites
- Utility Vaults
- Drainage Ditches
- Oil Storage Areas
- Shopping Malls
- Vehicle Parking Area
- Rail Yards
- Ponds
- Retention Basins
- Open Water Areas
- Oil-Water Interceptors
- Chemical Storage Area
- Maintenance Areas
- Pumping Stations
- Vehicle Maintenance Areas

Our products are environmentally sound and dedicated to the cleaning and remediation of potentially harmful contaminant's. While each product has specific applications and uses, they all share the unique ability to transform hazardous compounds into safe and disposable carbon dioxide (CO<sub>2</sub>) and water. The process of bioremediation is listed as one of the US Environmental Protection Agency's (EPA) innovative technologies and can be accomplished in-place (In Situ) thereby eliminating the hazard and costs of "off-site" contamination. Bioremediation is a cost effective way to eliminate harmful contaminates to our environment.

*We have the most extensive line of products available to solve your hydrocarbon contamination problems from the past and to prevent those problems in the future.*

### DIRECTIONS & PROPERTIES

Bio-W is a highly effective environmentally safe product that provides bioremedial solutions for a cleaner, greener planet and valuable long-term savings. It will work well on both fresh and salt water applications. *The following suggested directions are a general guideline to the use of the product:*

#### GENERAL DIRECTIONS:

1. Apply Bio-W flakes evenly and liberally to the surface of the water, covering the "floating" contaminant;
2. It is not necessary to "fully cover" all the surface area as Bio-W will draw the contaminant to itself;
3. Bio-W flakes will absorb and collect the contaminant, like a sponge absorbs water. The Bio-W flakes will continue to float;
4. Remove the absorbed flakes from the surface of the water with a net, skimmer, rake or any device that will allow excess water to filter through;
5. Place the skimmed flakes in a plastic bag and close and stand for 10 day. During this time frame, the product will "assimilate" into a non-hazardous substance;
6. The flakes will dry out and take on the coloration of the absorbed material and can then be re-used or mulched into contaminated soil to assist in the remediation of the soil;
7. Dispose of according to local, state & federal regulations.

#### PHYSICAL PROPERTIES:

Appearance: Lt. Grey Powder Odor: Odorless Boiling Point: NA Soluble in Water: Insoluble pH Dry: 7.0 pH with Water: 6.9 to 7.9 Evaporation Rate: NA

**PRODUCT EFFECTIVENESS:** The effectiveness of this product and the "speed" at which it works is determined by certain factors the absorption action of this products begins immediately. The bioremedial process will begin with the introduction of water. The duration will depend on many factors. *In general these factors are as follows:*

**TEMPERATURE:** The warmer the temperature, the faster this product will work.

**AGE OF THE STAIN OR SPILL:** The older the stain or spill, the longer it takes to work.

**TYPE OF HYDROCARBON:** Some hydrocarbons take longer than others.

**PACKAGING:** 1 Cubic Ft. Carton which covers approximately 48 Sq. Ft. of Surface, Shipping: 36 Units per Skid. Bulk packaging available, please call for details and additional options.

*A partial listing of additional bioremedial products available through Environmental Solution, Inc.:*

- Bioremedial Absorbent • Light & Heavy Duty Multi-Use Cleaner/Degreaser
- Bio-Based Solvent Replacements • Soil & Water Remediation • Food Processing Plants
- Bioremedial Parts Washer • Floating Absorbent • Oil Water Separators
- Oil & Petroleum Processing, On/Off shore • Large Sea Vessels/Pleasure Boats

**FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER, PLEASE CONTACT ENVIRONMENTAL SOLUTION, INC.**

**Bioremedial Cleaning Products for a Cleaner, Greener Planet.**

Environmental Solution, Inc.



**Environmental Solution, Inc.** is a distributor of bioremedial cleaning products that eliminate spills, contamination and environmental hazards utilizing eco-friendly solutions manufactured by EnviroLogic, Inc.

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