



EnviroSEB Universal

Description:

EnviroSEB Universal is non-synthetic and bio-degradable.

Product Properties:

- Form: tan colored powder
- Solubility: readily soluble in water

Applications & Benefits:

EnviroSEB Universal is a proprietary formula of enzymes and viable microbes designed to enhance the biological break down of organic waste in waste treatment systems. The enzymes in **EnviroSEB Universal** help break down organic molecules to smaller subunits; this in turn enhances their utilization and further break down by the microbes in the blend.

Waste products and waste streams are primarily composed of organic materials, such as carbohydrates, lipids, proteins and cellulosic waste. The natural decomposition of these molecules is dependent on microbes, primarily bacteria. Bacteria occur ubiquitously in soil, plants, foods and many others. Bacteria grow in a short period of time, produce an array of enzymes and are essential components in the natural decomposition of organic wastes and toxins. Aerobic bacteria function only in the presence of oxygen. Anaerobic bacteria cannot grow in the presence of oxygen. Facultative anaerobes can grow with or without free oxygen. Oxygen may or may not be present in waste treatment systems. Consequently, both aerobic and anaerobic bacteria are required for the efficient breakdown and decomposition of organic waste. Organic waste solids are primarily insoluble or colloidal suspensions. Organic waste solids must first be broken down and solubilized by enzymatic catalysis. Then and only then can bacteria ingest and metabolize organic waste and break down toxins. As a result, the combination of enzymes and bacteria are essential for the efficient break down of organic waste in agricultural, food processing, home and municipal waste treatment systems.

Dosing Recommendations:

Dosage of **EnviroSEB Universal** for waste treatment depends on several variables, including physical and chemical properties of waste, the waste treatment process, pH & temperature, etc. Lab tests are suggested to establish the optimal dosage.

Agricultural - Manure Lagoons and Pits:

Initial Treatment: 0.065 pounds **EnviroSEB Universal** (1.04 ounce; 28.48 grams) per 1,000 gallons based on waste volume (0.49 lbs./1,000 ft³ or 7.79 g/m³).

Maintenance: Repeat treatment every two (2) weeks, or as required.

Two (2) hours prior to use, disperse and wet one (1) part **EnviroSEB Universal** in nine (9) parts warm, tepid water [105-110°F (40-43°C)] with continuous agitation.

Food Processing - Lagoons & Other Containments:

Initial Treatment: 0.045 lbs. (0.70 oz. or 19.96 grams) per 1,000 gallons waste volume.

Maintenance: Repeat treatment every two (2) weeks or as required.

Disperse one (1) part **EnviroSEB Universal** in nine (9) parts warm water [105-110°F (40-43°C)] with continuous agitation.

Commercial & Industrial - General Maintenance:

Initial Treatment: 0.5 lbs. (8.0 oz. or 226.80 grams) **EnviroSEB Universal** per 1,000 gallons.

Maintenance: Repeat treatment monthly or as required.

Two (2) hours prior to use, disperse and wet one (1) part **EnviroSEB Universal** in nine (9) parts warm, tepid water [105-110°F (40-43°C)] with continuous agitation.

Grease Traps & Feeder Line:

Initial Treatment: 0.02 lbs. (0.32 oz. or 9.07 grams) per cubic foot (ft³) of grease trap (20 lbs./1,000 ft³ or 320.40 g/m³).

Maintenance: Repeat treatment monthly or as required.

Prior to trap addition, disperse **EnviroSEB Universal** with continuous agitation in a two (2) cups of warm water [105-110°F (40-43°C)]. Add the dispersion to the trap and allow the trap to remain quiescent overnight.

Packaging:

EnviroSEB Universal is packaged in tightly sealed double polybags in 25 kg cartons

Storage:

EnviroSEB Universal should be stored in a cool, dry place. Storage in unopened containers, at or below 5°C, helps to maintain maximum activity if stored over long periods.

Safety & Handling Precautions:

Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes, and mucous membranes upon prolonged contact. Avoid unnecessary contact with the product and inhalation of any aerosols or dust particles. In case of spillage or contact with the eyes or skin, rinse the affected area promptly with plenty of water.

All spills, however minor, should be removed immediately. Use respiratory protection. Major spills should be carefully shoveled into plastic-lined containers. Minor spills and remains of major spills should be removed by vacuum cleaning or flushing with water (avoid splashing). Customers should review Material Safety Data Sheets for detailed advice regarding the safe handling of enzymes.



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The information contained in this product sheet is general and without warranty as to quality, efficacy, merchantability, or fitness for any purpose. Customers should conduct their own testing to determine the use and effect of this product.

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