

ENVIRONMENTAL ASSOCIATES OF LOUISIANA

Sewper Rx – Sludge Digester

U.S. PATENT NUMBER: 6884351

Product Description

Sewper Rx is a polymicrobial blend of ecologically engineered bacteria, enzymes, and nutrients, scientifically formulated for the biodegradation of organic compounds found in all types of wastewater systems. **Sewper Rx** bacteria have been subjected to a process known as anhydrobiotic engineering which causes them to change their behavior, allowing them to adapt to any environment.

Among the many species found in this mixture are several gram negative rods, known for their ability to degrade many environmental pollutants but also known for their fragility. They are usually delivered in liquid form and must be regularly metered into the waste stream. Our patented manufacturing process gives them the ability to survive drying, allowing for a much **longer shelf life**, much **hardier bacteria** and much **easier and less costly application**. They are both motile (**swimmers**) and sessile (able to form **biofilms**), produce extremely high levels of enzymes necessary for the rapid digestion of fats, oils, grease, carbohydrates, proteins and cellulose and double their CFU count every 24 minutes.

Sewper Rx completely eliminates, or greatly reduces odors, dramatically reduces solids/sludge, reduces foaming, and promotes settling and clarifying, resulting in reduced BOD and TSS in final effluent. **Sewper Rx** also achieves **nitrification** and **denitrification** and **phosphorus removal** without the need for separate processes. Significant savings are achieved in solids handling, separation, storage, hauling and disposal and other costs related to the solids elimination process, while consistently meeting ever-tightening discharge standards. In many cases, **significant electrical savings** are also realized.

Applications

Activated Sludge Wastewater Systems
Facultative Lagoons and Holding Tanks
Lift Stations and Collection Systems
Digesters and Grease Traps
Poultry Litter and Hog Waste Lagoons

Physical Properties

Form: Multicolored or tan powder
Shelf Life: 1 year guaranteed
Pathogen free

Dosage

Varies, depending upon waste/concentration loading. Consult Representative for system survey and dosing schedule.

Typical Application Environment

Dissolved Oxygen, mg/l	0.05-2.0 ppm
pH	4.5-10
Temperature °C	5°-55°
Temperature °F	40°-110°



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