

*“Innovative  
Products &  
Services for  
Wastewater  
Professionals”*



The System



The Biology



The Results



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## Product Line Overview

# EBS Biological Additives for Industrial Wastewater Systems

### EBS Overview

The consultants of Environmental Business Specialists, LLC have been supporting the application of biological additives to industrial customers since 1989. We are exclusively committed to industrial wastewater applications, primarily in the pulp and paper, petrochemical processing, petroleum refining, and food processing industries. EBS is uniquely qualified to support the application of biological products in industrial wastewater systems. Our technical support capabilities include computer based dosage modeling, treatability and toxicity studies using respirometry, microscopic examinations, and value-added service documentation tools.

### The Product Line

The EBS biological product line product line is the result of five years of laboratory evaluations and almost twenty years of field experience by our Principal Consultant, Mike Foster. Rather than simply diluting bacterial cultures with inert bran, EBS MicroStar combines a high potency, broad spectrum bacterial blend with our proprietary BOOST micronutrient supplement to create extremely cost effective formulations. For customers desiring a traditional bran-based product, we offer BioStar P and BioStar R. All products are packaged in one pound water soluble PVA pouches and packed in plastic pails.

Our contract blender's facility is ISO 9000 Certified and provides contract packaging for some of the world's largest chemical companies. Our bacterial cultures are contract fermented and the micronutrient components are provided by suppliers specializing in organic agriculture. These products are not simply someone else's standard formulations, but truly unique formulations based on over five years of research and applications experience.

### Technical Support Capabilities

The EBS biological product line is supported by the full range of EBS technical capabilities, including:

- Telephone and email support for product applications,
- Microscopic examination of ASB samples,
- Treatability and competitive product comparisons using respirometry, and
- On-site technical support.

## Product Specifications

	<b>MicroStar™</b>	<b>BioStar™ R</b>	<b>BioStar™ P</b>
<b>General Description</b>	MicroStar is made up of 95% EBS BOOST combined with a broad spectrum bacterial formulation of eight bacterial strains. This product acclimates faster and provides better results than traditional bran-based products.	BioStar R a bacterial formulation of four bacillus strains and two pseudomonas strains added to enhance performance of wastewater systems in petroleum refineries, chemical processing plants, and food processing plants.	BioStar P a bacterial formulation of four bacillus strains and one pseudomonas strains added to enhance performance of wastewater systems in pulp and paper mills.
<b>Carrier</b>	Multi-component micronutrient formulation	Bran	Bran
<b>Number of Bacterial Strains</b>	Eight	Six	Five
<b>Bacterial Count</b>	1 billion per gram	5 billion per gram	5 billion per gram
<b>Product density</b>	0.9 – 1.0 g/cc	0.6 – 0.8 g/cc	0.6 – 0.8 g/cc
<b>Package Size</b>	25 pounds per 4.25-gallon pail	25 pounds per 5-gallon pail	25 pounds per 5-gallon pail