



**BioStreme™ 401** is a proprietary formula that consists of micronutrients and complex hybrid organic extracts that optimize growth and synthesis of new cell material. With the use of BioStreme™ 401 effective management of virtually any anaerobic waste-to-energy digestion process can be enhanced to provide increased treatment efficiency and operational cost savings.

Obligate anaerobes, such as methanogens, are oxygen-sensitive and can only use simple compounds from previous biomass fermentation. The proprietary formula expedites the breakdown of complex long-carbon chain compounds offering more input for final methanogenesis. The bio-stimulant action of BioStreme™ 401 increases the metabolic rate of critical microbial species in anaerobic processes to generate more biogas within a shorter period.

### Next Generation Biosimulant Technology



## BioStreme™ 401

FOR ANAEROBIC DIGESTERS

- **Increased methane production**
- **Improved VSS & COD removal efficiency**
- **Control noxious odors**

### BioStreme™ 401 Biosimulant Formulation is:

- Scientifically engineered with natural ingredients
- No bacteria or enzymes
- Non-toxic and non-corrosive
- Cost-effective. No large capital required
- Effective and immediate odor control

### Application rate:

Typical digester application rates of 10-30 ppm quickly reduces inhibitory effects for rapid and natural biological treatment. Biomass loading factors significantly affect dosage rates in industrial applications where high strength loading occurs - such as animal slaughter, food processing, and pulp and paper operations.

Note: Wastewater characteristics vary greatly depending on facility processes. Please contact Ecolo's technical team for specific dosage requirements for your site.

### BioStreme™ 401 is formulated specifically for:

anaerobic processes, maximizing biogas production, increasing treatment efficiency and controlling odors in:

- Food processing
- Agri-Food
- Municipal wastewater
- Pulp and paper

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