



BioStreme 101

Ideal for Composters

BIOSTREME™ 101 ALL-NATURAL MICRONUTRIENT FORMULATION

gives Composters the ability to directly manage the core biology of their operations. When applied by topical spraying to working faces, or by blending with biomass during windrow composting operations – BioStreme™ 101 works immediately to suppress nuisance odors, such as: H₂S, mercaptans, volatile fatty acids, keytones, and ammonia.

Benefits include accelerated decomposition and stabilization rates, as well as less frequent manual turning and aeration of windrows. This product suppresses odor-producing biological processes while promoting strong facultative bacterial populations to efficiently degrade organics and resist system upsets.

Technical Profile

BioStreme™ 101 is engineered to nurture high concentrations of facultative bacteria – beneficial microbes that aggressively aid in decomposition without producing odorous by-products. It employs a natural, nontoxic, and biodegradable blend of amino acids, essential oils, vitamins, minerals, purines, pyrimidines, and complex organic extracts. It is completely safe to handle and use, and employs no enzymes, alcohols, or bacteria. BioStreme™ 101 product claims are backed by one of the most advanced laboratories of its kind in North America. Ecolo technicians will perform a state-of-the-art Respirometer Analysis of microbial decomposition processes using waste samples from your own facility. We will provide, verifiable data on the benefits you will experience.

Usage Instructions

Windrow Method: After the windrow is built, 101 is topically applied using a water truck or boom-type sprayer to achieve a concentration of 10 mg/m² (dilution factor 1000:1 max.). Repeat 3 times during routine water spraying and turning – or as required.

Static Pile Method: Apply 101 at the tub grinder or compost blender using a water cannon or pressure sprayer to achieve a concentration of 30 mg/m³ (dilution factor 1000:1 max.). Build compost piles and leave standing till composting complete.

- Mix product with clean potable water before use.
- Mixed product should be used within 30 days for optimal performance.
- Guidelines for calculating chemical usage are estimates only. Application rates may vary depending on odor concentration, temperature and application type.

Ordering Information: BioStreme™ 101

Code	Size	Wt.	Dimensions
50-BIO-1030 C20	20 L 5.28 gal	22.7 kg 50 lbs	23 x 28 x 38 cm 9" x 11" x 15"
50-BIO-1030 D28	208 L 55 gal	227 kg 500 lbs	57 x 89 cm 23.5" x 35"
50-BIO-1030 T10	1000 L 268 gal	1225 kg 2700 lbs	102 x 122 x 117 cm 40" x 48" x 46"

* other packaging sizes available upon request. Minimum orders apply.

Controls Noxious Odors
Effective & Long Lasting
Enhances Microbial Activity
Natural & Biodegradable
Safe & Non Toxic

Application Areas

- Municipal Compost
- Livestock Farms
- Agricultural Compost
- Dead Stock Compost
- Food Processing Plants
- Pulp & Paper Sludge
- Sewage Sludge
- Abattoirs

Types of Odors Treated

- Ammonia
- Amine Compounds
- Low Levels H₂S (open areas)
- Mercaptans
- Organic Odors
- Organic Sewage Odors
- Grease Odors

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling. **Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.** Material removed from containers may be contaminated during use. Do not return product to the original container. Ecolo cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local representative or Ecolo Technical Support Department.

Material Specification

Test reports for each batch are available for the indicated properties. Test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Ecolo.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{L} / 3.785 = \text{Gal}$
 $\text{cm} / 2.54 = \text{inch}$

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing,

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