TECHNICAL DATA SHEET (TDS)

EcoSock

1. Product Identification

Product name: EcoSock
Type: Slow-release microbial/nutrient matrix (powder contained in inner water-soluble bag within an outer sock)
Use: Aquatic water quality improvement; sludge digestion support; odor reduction
Manufacturer: TLC Products, Inc., 26100 1st Street, Westlake, OH 44145 USA
Contact: +1-216-472-3030 | johnmwong@tlc-products.com

2. Product Description

Slow-release formulation containing beneficial bacteria and microbial nutrients intended to support sustained biological activity in aquatic systems.

3. Composition (Functional)

Microbial component: Beneficial bacteria complex (non-pathogenic; BSL-1)
Nutrient matrix: Yeast extract and microbial nutrients
Matrix / functional additives: Xanthan gum; fulvic acid; inert carriers
Enzyme association: Complex includes amylase/protease activity

4. Typical Technical Characteristics

Form: Powder (contained)
Color: Amber to brown
Odor: None to mild
Bulk density (typical): 0.85 g/cm³
Water behavior: Particulate; disperses in water; inner bag is water-soluble
Release profile: Slow-release (matrix/packaging-controlled; depends on placement and site conditions)

5. Use Conditions (General)

Water quality: Non-chlorinated water preferred where feasible
Performance variables: Temperature, circulation, organic loading, and sludge distribution

6. Application Program (General)

Deployment concept: Placement in treatment zones where biological activity is desired (site-specific).
Program structure: Initial application + maintenance interval determined by pond size, organic load, and seasonal temperature.

7. Packaging Construction

Standard construction: Outer sock + inner water-soluble bag containing powdered contents.
Models/sizes: Multiple (per SKU); net weight per model per label/pack.

8. Storage

Storage conditions: Dry, room temperature storage **below 100°F (37.8°C)**; keep closed and protected from moisture.

9. Transport / Safety (General)

Transport: Not regulated as dangerous goods
Safety: Not classified as hazardous as supplied; standard powder hygiene recommended