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Eiyarkai Three[®]
meet tomorrow today

Safety Data Sheet

Review Date: 22 November 2025

Section 1 - Product Details and Company Identification

Product Name: DiaGreen[®]

Intended Use: Diatom (phytoplankton) culture for use as seed culture in aquaculture hatcheries, nurseries, larviculture, and controlled culture systems.

Company Name [Manufacturer]: Eiyarkai Three Life Sciences LLP

Address: No. 63, Cross St., T. H. Road, Venbakkam, Ponneri - 601204
Thiruvallur Dist., Tamil Nadu, INDIA

Section 2 - Composition/Information on Ingredients

Composition: Diatom (phytoplankton) culture produced under controlled, sterile photobioreactor conditions.

Usage: Strictly for Aquaculture use only. Not for Human or veterinary consumption.

Packed inside HDPE Bottle.

Note: It is a cold shipment and gel packs are placed to maintain temperature.

Section 3 - Hazard Identification

Hazard Statements:

- Not expected to present significant hazards under normal use.
- Biological liquids may cause mild irritation in sensitized individuals.
- Not for human consumption.



Precautionary Statements

- Avoid breathing mist or aerosols.
- Avoid contact with eyes.

Section 4 – Composition Details

Contains diatom species (phytoplankton) cultured in photo bioreactors under controlled conditions, along with sterile seawater medium and essential nutrients.

Section 5 – First Aid Measure

Eye Contact:

Rinse with clean water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Skin Contact:

Wash with soap and water. Rarely causes irritation.

Inhalation:

Move to fresh air. Seek attention if coughing or discomfort continues.

Ingestion:

Rinse mouth. Not expected to be harmful, but not intended for human intake. Seek medical advice if symptoms occur.

Most Important Symptoms:

Mild eye/respiratory irritation in sensitive individuals.

Section 6 – Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical.
- **Specific Hazards:** Organic material may produce smoke if combusted.
- **Protective Equipment:** Standard firefighting PPE; avoid inhalation of smoke.

Section 7 – Handling & Storage

Handling:

- Avoid inhaling spray/mist.
- Wash hands after use.
- Keep container closed when not in use.
- Open the container in clean area to avoid contamination.

Storage:

- Store, if needed, at 4°C after unpacking the box.
- Do not expose to high temperatures; prolonged heat will make Diatom lose its viability.
- Keep away from strong disinfectants or oxidizers.
- Keep container tightly sealed.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits: None established for micro-algae preparations.

PPE:

- Gloves recommended during handling.
- Eye protection if splashing may occur.
- Respiratory protection not required under normal use, but a dust mask is advisable during spraying/fogging operations.

Section 9 – Accidental Release Measures

- Use gloves and avoid aerosol formation.
- Absorb spills with sand or inert material.
- Wash area with water and mild disinfectant.
- Prevent entry into potable water sources.

Section 10 – Physical and Chemical Properties

- Appearance: Brownish liquid phytoplankton suspension
- Color: Light to medium tinted (varies)
- Odor: Mild biological odor
- pH: Typically 6.0–8.0
- Solubility: Fully dispersible in water; may contain some insoluble components.
- Flash Point: Not applicable
- Stability: Stable under recommended storage

Section 11 – Stability & Reactivity

- Culture viability decreases if exposed to prolonged darkness or extreme temperatures.
- Avoid strong acids, alkalis, oxidizers, or disinfectants.
- No hazardous decomposition products expected.

Section 12 – Toxicological Information

Likely Routes of Exposure: Eyes, inhalation, skin contact on wounded/cut surfaces, and ingestion.

Acute Toxicity: Not toxic; Diatoms (micro-algae) are harmless to humans, animals, and plants.

Irritation: May cause mild transient eye irritation.

Sensitization: Possible in allergic individuals.

Carcinogenicity, Mutagenicity, Reproductive Toxicity: Not expected.

Section 13 – Ecological Information

- Contains beneficial phytoplankton (diatoms) commonly used in aquaculture.
- Non-pathogenic and safe for aquatic environments.
- Supports natural food chain development.

Section 14 – Disposal Considerations

- Dispose of unused product per local regulations for biological materials.
- Rinse containers before recycling or disposal.

Section 15 – Transport Information

Classification: Non-hazardous.

Safe for road, air, and sea transport under standard conditions.

Section 16 – Regulatory Information

- Non-hazardous.
- Contains Diatoms (micro-algae) commonly used in aquaculture.
- Check country-specific regulations for Diatom (micro-algae) products.

Section 17 – Other Information

Eiyarkai Three Life Sciences LLP, provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.