

EIYARKAI THREE LIFE SCIENCES LLP

#63, Cross st., T. H. Road, Venbakkam
Ponneri, Thiruvallur Dist - 601204,
Tamil Nadu, INDIA
Tel : 044-27973401
www.eiyarkaithree.com

Eiyarkai Three®
meet tomorrow today

Safety Data Sheet

Review Date: 22 November 2025

Section 1 - Product Details and Company Identification

Product Name: DriftAct®

Intended Use: Bacteriophage-based biological product for targeted Vibrio reduction and water-quality protection in aquaculture (shrimp hatcheries, grow-out systems, larviculture, and ornamental aquaculture).

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: Phage-based biological preparation containing lytic Vibrio-specific bacteriophages.

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.
- Microbial, including bacteriophage liquid formulations may cause allergic reactions in sensitized individuals.
- Not for human consumption.



Precautionary Statements

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

Section 4 – Composition Details

Contains lytic Vibrio bacteriophages (species-specific, non-pathogenic), with stabilizing agents for sustained release.

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 at -20°C in a deep freezer.
- Do not expose to high temperatures; prolonged heat may reduce phage activity.
- Keep away from strong disinfectants or oxidizers.
- Keep container tightly sealed.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits: None established for microbial 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: Clear to slightly turbid liquid containing bacteriophages
- 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

- Phage activity may decrease if exposed to extreme pH or high 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; bacteriophages 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 naturally occurring bacteriophages specific to *Vibrio* species.
- Does not impact non-target microbes or non-target aquatic organisms.
- Residue-free and environmentally safe.

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 beneficial bacteriophage cocktail commonly used in aquaculture.
- Check country-specific regulations for bacteriophage 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.