

# Material Safety Data Sheet



**LG Life Sciences**

Emergency Phone : +82 2 3773 6936  
LG Life Sciences Ltd.  
Ulsan, 689-896, Korea

## Fenvastar EcoCap

Effective Date : N/A

### 1. Identification of the substance and company

**Product Name :** Fenvastar EcoCap

#### Company Identification

LG Life Sciences Ltd.(Head Quarter)  
Twin Tower, 20, Yoido-dong, Youngdungpo-gu, Seoul, Korea.  
TEL : +82-42-3773-6936

### 2. Composition / Information on Ingredients

Esfenvalerate : Cyano-3-phenoxybenzyl (S)-2-(4-chlorophenyl)-3-methylbutyrateCas

CAS RN : 66230-04-4

Inert ingredients : polymeric dispersant, propylene glycol, methyl Oleate

### 3. Hazard Identification

#### Potential Health Effect:

**Eye :** May cause moderate irritation

**Skin :** Prolonged or repeated exposure not likely to cause significant skin irritation.

**Ingestion :** No hazards anticipated from swallowing small amounts incidental to normal handling operation

**Inhalation :** Vapors are unlikely due to physical properties. Single exposure to dust is not likely to be hazardous.

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### 4. First-Aid Measures

**Inhalation** : Remove patient from exposure.  
Obtain medical attention.

**Skin Contact** : Brush off contaminated clothing.  
Wash skin with water.  
If symptoms develop, obtain medical attention.

**Eye Contact** : Irrigate with eyewash solution or clean water, holding the eyelids apart,  
for at least 10 minutes.  
Obtain medical attention

**Ingestion** : Do not induce vomiting  
Wash out mouth with water and give 200 – 300ml of water to drink.

### 5. Fire-Fighting Measures

**Flash Point** : Not applicable

**Fire and Explosion Hazards** : May emit toxic fumes when heated to decomposition.

**Special fire fighting procedures** : Wear self-contained breathing apparatus and protective clothing to prevent contact with skins and eyes.

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### 6. Accidental Release Measures

**Action To Take For Spills :** In case of leak or spill, contain material and dispose as waste. Don't contaminate any body of water. Sweep up material, place in a bottle, and hold for waste disposal.

### 7. Handling and Storage

#### Precautions To Be Taken In Handling And Storage :

Keep out of reach of children. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin and clothing. Users should wash hands before eating and drinking. Do not contaminate water, food, or feed by storage. Store in original container only.

### 8. Exposure Controls / Personal Protection

Wear chemical safety goggles.

Wear compatible chemical-resistant gloves.

Take safety shower and eye bath after handling

Mechanical exhaust required.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Store in a cool place.

### 9. Physical and Chemical Properties

**Boiling Point :** Not applicable

**Appearance :** White Liquid(Water-based formulation)

**Odor :** slightly aromatic odor

**Vapor Pressure(25°C) :** Not determined

**Specific Gravity :** 1.00

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### 10. Stability and Reactivity

**Stability** : Stable at the normal storage conditions.

**Incompatibility** : Strong acidic and alkali materials should be avoided.

**Hazardous Decomposition Materials** : Not known to occur.

### 11. Toxicological Information

These toxicological data are for the active ingredient, **Esfenvalerate**.

Rat acute oral toxicity (LD<sub>50</sub>):

458 mg/kg

Skin Sensitization:

Not a skin sensitizer

Ames test :

Negative

Chromosome aberration test :

Negative

### 12. Ecological Information

These ecological data are for the active ingredient, **Esfenvalerate**.

Fish acute toxicity (Rainbow trout)

LC<sub>50</sub> : 0.26ug/l (96hr)

Daphnia acute toxicity

LC<sub>50</sub> : 0.36 ug/l (48hr)

Acute oral (Mallard duck)

LD<sub>50</sub> : 9932 mg/kg

### 13. Disposal Consideration

Disposal should be in accordance with local or national legislation.

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### 14. Transport Information

This document was generated only for the sample for field trials. For the transport information, if required, please consult LGLS (telephone : +82-2-3773-6936)

#### Shipping Information

Non-bulk: Not regulated and requires no markings, labels, or placards.

(Note: Combination packages with inner packages less than 5 liters may be re-classified as

Consumer Commodities (ORM-D). These packages cannot be shipped by air freight.)

Bulk: UN3082, Environmentally hazardous substance, liquid, n.o.s. (esfenvalerate), 9, PGIII, marine pollutant (Note for bulk shipments: If labeled or placarded properly,

no marine pollutant marking is required)

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### 15. Regulatory information

This material is only for the evaluation. Thus, regulatory information is not available at present

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### 16. Other Information

MSDS first issued : Mar. 11. 2009

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.

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