

**1 Identification of the substances/ mixture and of the company/ undertaking****1.1 Product Identifiers**

Product Number FD063  
Product Name Listeria Selective Supplement II  
REACH Registration Number This product is a mixture. Reach registration number is not available for this mixture.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

- 1.2.1** Relevant identified uses Laboratory Chemicals, Analytical Purpose, Biochemical Analysis  
For InVitro Diagnostic Use

**1.3 Details of the supplier of the safety data sheet**

Produced by HiMedia Laboratories Private Limited  
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**1.4 Emergency Tel. No.**

Emergency Tel. No. Please contact the regional HiMedia representation in your country

**2 Hazards Identification****2.1 Classification of the substance or mixture*****CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]***

Acute toxicity, Oral, (Category 1), H300  
Serious eye damage or eye irritation, (Category 1), H318  
Germ cell mutagenicity, (Category 2), H341  
Reproductive toxicity, (Category 1A), H360D  
Hazardous to the aquatic environment, long term hazard, (Category 2), H411  
Sensitisation, respiratory, (Category 1), H334

**2.2 Label elements*****Labeling according to Regulation (EC) No.1272/2008***

Pictogram  
Signal word Danger

**Hazard Statement(s)**

H300 Fatal if swallowed  
H318 Causes serious eye damage  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H341 Suspected of causing genetic defects  
H360D May damage the unborn child  
H411 Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P201 Obtain special instructions before use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

**2.3 Other Hazards**

None

**3 Composition/Information On Ingredients**

**3.2 Mixture**

Component	Classification	Concentration
Cycloheximide		
CAS No. : 66-81-9 EC No. : 200-636-0 Index-No : 613-140-00-8	<b>As Per EC Regulation 1272/2008</b> Acute Tox. oral 1,2; Skin Irrit. 2; Muta. 2; Repr. 1B; Aquatic Chronic 2 H300; H315; H341; H360D; H411	>=10 - <=20%

Component	Classification	Concentration
Nalidixic acid		
CAS No. : 389-08-2 EC No. : 206-864-7	<b>As Per EC Regulation 1272/2008</b> Resp. Sens. 1 H302	>=10 - <=40%

Component	Classification	Concentration
Acriflavine hydrochloride		
CAS No. : 8063-24-9	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral 4; Eye Dam. 1; Aquatic Chronic 2 H302; H318; H411	>=10 - <=20%

Refer Section 16 for complete statement of H codes and its classification

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## **4 First Aid Measures**

### **4.1 Description of first aid measures**

#### ***General advice***

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### ***If inhaled***

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### ***In case of skin contact***

Wash with plenty of soap and water. Consult a physician.

#### ***In case of eye contact***

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

#### ***If swallowed***

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available.

### **4.3 Indication of immediate medical attention and special treatment needed**

No data available

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## **5 Fire Fighting Measures**

### **5.1 Extinguishing media**

#### ***Suitable extinguishing media***

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### ***Unsuitable extinguishing media***

No data available.

### **5.2 Special hazards arising from the substance or mixture**

Hazardous combustible gases or vapour may develop in the event of fire.

### **5.3 Precautions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary

### **5.4 Further information**

No data available

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## **6 Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see Section 13.

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## **7 Handling and Storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended Storage Temperature** : On receipt store between 2-8°C

### **7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **8 Exposure Controls/Personal Protection**

### **8.1 Control parameters**

Components with workplace control parameters

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

#### **Personal protective equipment**

##### **Hygiene measure**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

##### **Eye/face protection**

Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### **Body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Environment exposure controls**

Do not empty into drains.

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## **9 Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance

Reddish Brown Homogenous powder

Odour

No data available

Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour density	No data available
Thermal decomposition	No data available

## 9.2 Other safety information

No data available

## 10 Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong Oxidising agents

### 10.6 Hazardous decomposition products

Other Decomposition products. No Data Available

## 11 Toxicological Information

### 11.1 Information on toxicological effects

#### **Acute toxicity**

No data available

#### **Skin corrosion/irritation**

No data available

#### **Serious eye damage/eye irritation**

Mixture may cause eye irritation.

#### **Respiratory or skin sensitisation**

No data available

#### **Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity- single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Potential Health Effects****Inhalation**

REFER SECTION 2

**Skin**

REFER SECTION 2

**Eyes**

REFER SECTION 2

**Ingestion**

REFER SECTION 2

**Additional Information**

RTECS : Not Available

**11.2 Components****Cycloheximide***Acute oral Toxicity*

Rat LD50: 2mg/kg

*Skin Corrosion/Irritation*

Skin-rabbit Result: Skin irritation: 24 h

*Germ cell mutagenicity*

Lab experiments have shown mutagenic effects.

Invitro tests showed mutagenic effects.

*Reproductive toxicity*

May cause congenital malformation in the fetus.

Presumed human reproductive toxicant.

Liver-irregularities-based on human evidence.

**Additional Information**

RTECS:MA4375000

**Acriflavine Hydrochloride***Acute Toxicity*

LD50 Oral Rat: 1,048 mg/kg

*Skin corrosion/irritation*

Skin-Rabbit

Result: No irritation

*Serious eye damage/eye irritation*

Eyes-Rabbit

Result:Irritation

Causes serious eye irritation

**Additional information**

RTECS: No data available

Causes cardiovascular effects, Central nervous system depression, Respiratory disorders

**Nalidixic acid**

*Acute Oral Toxicity*

Rat LD50 :2040mg/kg

Mouse LD50 :572mg/kg

*Acute Intraperitoneal Toxicity*

Rat LD50 : 319 mg/kg

Mouse LD50: 600 mg/kg

*Acute Intravenous Toxicity*

Rat LD50 :1160 mg/kg

Mouse LD50: 101 mg/kg

*Acute Dermal Toxicity*

Rat LD50: 1584 mg/kg

Mouse LD50 : 500 mg/kg

**Additional Information**

RTECS: QN2885000

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**12 Ecological Information**

**12.1 Toxicity**

No data available

**Components**

**Acriflavine hydrochloride**

*Toxicity to Fish*

Leuciscus idus (Golden orfe) LC50 :1 -10 mg/l ;48 h

Bluegill/Sunfish LC50: 13.5 mg/l; 48 h

Rainbow trout LC50 : 19.9 mg/l; 48 h

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 PBT and vPvB assessment**

This preparation contains no substance considered to be persistent,bioaccumulating or toxic (PBT) at levels of 0.1% or higher.

**12.6 Other adverse effects**

No data available

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**13 Disposal Considerations**

### 13.1 Waste treatments methods

#### Product

Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.

### 13.2 Contaminated packaging

Dispose of as unused product.

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## 14 Transport Information

### 14.1 UN-No

ADNR : 2811 ADR : 2811 IATA\_C : 2811 IATA\_P : 2811 IMDG : 2811 RID : 2811

### 14.2 UN proper shipping name

ADNR : Toxic solids, organic, n.o.s.  
ADR : Toxic solids, organic, n.o.s.  
IATA\_C : Toxic solids, organic, n.o.s.  
IATA\_P : Toxic solids, organic, n.o.s.  
IMDG : Toxic solids, organic, n.o.s.  
RID : Toxic solids, organic, n.o.s.

### 14.3 Transport hazard class(es)

ADNR : 6.1 ADR : 6.1 IATA\_C : 6.1 IATA\_P : 6.1 IMDG : 6.1 RID : 6.1

### 14.4 Packaging group

ADNR : I ADR : I IATA\_C : I IATA\_P : I IMDG : I RID : I

### 14.5 Environmental hazards

ADNR : No ADR : No IMDG : Marine Pollutant No IATA\_C : No IATA\_P : No RID : No

### 14.6 Special precautions for use

No data available

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## 15 Regulatory Information

This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

### 15.1 Safety health and environment regulations/legislation specific for the substance or mixture

No data available

### 15.2 Chemical Safety Assessment

No data available

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## 16 Other information

Text of H codes and classification mentioned in section 3

H300	Fatal if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H341	Suspected of causing genetic defects
H360D	May damage the unborn child
H411	Toxic to aquatic life with long lasting effects
Acute Tox. oral 1,2	Acute toxicity, oral, Category 1, 2



Acute Tox.oral 4	Acute toxicity, oral, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2
Eye Dam. 1	Serious eye damage or eye irritation, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Sensitisation, respiratory, Category 1
Skin Irrit. 2	Skin corrosion or irritation, Category 2

### **Further Information**

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The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.