1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers

Product Number
FD071

Product Name
Oxford Listeria Supplement

REACH Registration Number
This product is a mixture. REACH registration is not applicable for this product.

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

In Vitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

Produced by
HiMedia Laboratories Private Limited

Address
23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India

Tel. No.
+91-22-2500 0970, +91-22-2500 1607

Fax No.
+91-22-25002468

Mail Id
info@himedialabs.com

Website
www.himedialabs.com

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

Germ cell mutagenicity, (Category 2), H341

Reproductive toxicity, (Category 1A), H360D

Hazardous to the aquatic environment, long term hazard, (Category 2), H411

Serious eye damage or eye irritation, (Category 2A), H319

2.2 Label elements

Labeling according to Regulation (EC) No.1272/2008

Pictogram

Signal word
Danger

Hazard Statement(s)

H300  Fatal if swallowed

H319  Causes serious eye irritation

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.
P273 Avoid release to the environment.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actidione (Cycloheximide)</td>
<td>As Per EC Regulation 1272/2008 Acute Tox. oral 1; Skin Irrit. 2; Muta. 2; Repr. 1B; Aquatic Chronic 2 H300; H315; H341; H360D; H411</td>
<td>&gt;=90 - &lt;=95%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colistin Sulphate</td>
<td>As Per EC Regulation 1272/2008 H301</td>
<td>&gt;=1 - &lt;=5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acriflavine</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Aquatic Acute 1 H302; H315; H319; H335; H400</td>
<td>&gt;=1 - &lt;=5%</td>
</tr>
</tbody>
</table>

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

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.

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
Carbon oxide, nitrogen oxides (NOx)

5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information
No data available

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.

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.
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. Handle in accordance to general industrial hygiene and safety practice.

*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.

Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light Orange coloured homogenous powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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 oxidizing agents

10.6 Hazardous decomposition products
Refer Section 5.2

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
Additional Information
RTECS : Not Available

11.2 Components

**Cycloheximide**

*Acute Toxicity*
LD50 Oral rat: 2mg/kg

*Skin Corrosion/Irritation*
Skin-rabbit Result - Skin irritation-24 h

*Germ cell mutagenicity*
Lab experiments have shown mutagenic effects

*In Vitro 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

**Chloramphenicol**

*Acute Toxicity*
LD50 Oral rat: 2.500 mg/kg
LD50 Intraperitoneal rat: 1.811 mg/kg
LD50 Intraperitoneal mouse: 1.100 mg/kg

*Respiratory or skin sensitization*
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals

*Germ cell mutagenicity*
Lab experiments have shown mutagenic effects

*Possible human carcinogen*
IARC: Group 2A Probably carcinogenic to humans (Chloramphenicol)

*Reproductive toxicity*
May cause congenital malformation in the fetus.
Presumed human reproductive toxicant.
Liver-irregularities-Based on human Evidence

A Dose of about 1 gram can cause: Nausea, burning sensation, sores in the mouth, lesions of the throat, sores in the digestive tract, Tremors, convulsions Shock. Death may result from ingestion of two to five grams. Prolonged or repeated exposure may cause; Increased bone density, calcium deposits in the ligaments, new bone growth, vomiting, diarrhea, abdominal pain, To the best of our Knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
12 Ecological Information
12.1 Toxicity
Toxic to aquatic life with long lasting effects.

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
No data available
12.6 Other adverse effects

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.

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)
14.4 Packaging group

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

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

16 Other information
Text of H codes and classification mentioned in section 3

H300  Fatal if swallowed
H301  Toxic if swallowed
H302  Harmful if swallowed
H315  Causes skin irritation
H319  Causes serious eye irritation
H335  May cause respiratory irritation
H341  Suspected of causing genetic defects
H360D  May damage the unborn child
H400  Very toxic to aquatic life
H411  Toxic to aquatic life with long lasting effects

Acute Tox. oral. 1  Acute toxicity, oral, Category 1
Acute Tox. oral. 4  Acute toxicity, oral, Category 4
Aquatic Acute 1  Hazardous to the aquatic environment, acute hazard, Category 1
Aquatic Chronic 2  Hazardous to the aquatic environment, long term hazard, Category 2
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
Muta. 2  Germ cell mutagenicity, Category 2
Repr. 1B  Reproductive toxicity, Category 1B
Skin Irrit. 2  Skin corrosion or irritation, Category 2
STOT SE 3  Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

Further Information

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