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

1.1 Product Identifiers

Product Number: M1106
Product Name: M-Endo Agar LES
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

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: +91-22-2500 2468
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]
Carcinogenicity, (Category 2), H351

2.2 Label elements

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

Pictogram
Signal word: Danger
Hazard Statement(s)
H350: May cause cancer
Precautionary Statement(s)
P201: Obtain special instructions before use.
P281: Use personal protective equipment as required.
P308 + P313: IF exposed or concerned: Get medical advice/attention.

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>Basic Fuchsin</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=2.5%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>569-61-9</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>209-321-2</td>
<td></td>
</tr>
<tr>
<td>Index-No :</td>
<td>611-031-00-X</td>
<td></td>
</tr>
<tr>
<td>Sodium deoxycholate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>302-95-4</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>206-132-7</td>
<td></td>
</tr>
<tr>
<td>Sodium lauryl sulphate (SLS)</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.01 - &lt;=0.1%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>151-21-3</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>205-788-1</td>
<td></td>
</tr>
</tbody>
</table>

Refer Section 16 for complete statement of H codes & 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 off with soap and plenty of 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
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 oxides, Sodium oxides, Sulphur oxides, Potassium oxides, Oxides of phosphorus, Hydrogen chloride gas
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 adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. 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 10-30°C
7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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.

**Skin protection**
Handle with gloves. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425/EEC and the standard EN ISO 374-1/2016 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.

### 9 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 pink to purple coloured homogenous free flowing 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>7.00 - 7.40</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>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2 Other safety information

No data available
10 Stability and Reactivity

10.1 Reactivity
None.

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. Other Decomposition products not known.

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: Basic Fuchsin (C.I. Basic Red 9)(Group 2B) 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

Aspiration hazard
No data available

Potential Health Effects

Inhalation
REFER SECTION 2

Skin
REFER SECTION 2

Eyes
REFER SECTION 2

Ingestion
REFER SECTION 2
11.2 Components

**Basic Fuchsin (C.I.Basic Red 9)**

*Acute Oral Toxicity*
Mouse LD50: 5,000 mg/kg

*Carcinogenicity*
IARC: 2B- Group 2B: Possible carcinogen to humans

*Germ cell mutagenicity*

*Genotoxicity invitro*

Mutagenicity (mammal cell test)
Result: Positive (As Per National Toxicology Program)

Mutagenicity (Mammal cell test)

Chromosome aberration
Result: Negative (As per National Toxicology program)

*Ames Test*

Salmonella Typhimurium
Result: Positive

**Additional information:**

RTECS: CX9850100

**Sodium Lauryl Sulphate**

*Acute oral toxicity*
Rat LD50: 1,427 mg/kg (As Per OECD Test Guideline 401)

*Acute dermal toxicity*
Rabbit LD50: > 2,000 mg/kg

*Skin irritation*
Rabbit Result: Irritations (As Per OECD Test Guideline 404)

*Eye irritation*
Rabbit Result: Irreversible effects on the eye
(As Per OECD Test Guideline 405)

*Sensitisation*
Guinea Pig Maximisation Test (GPMT)
Result: Negative (As Per IUCLID)

*Ames test*
Salmonella Typhimurium
Result: Negative (As Per OECD Test Guideline 471)

*Mutagenicity (mammal cell test)*

*Mouse lymphoma test*
Result: Negative (As Per OECD Test Guideline 476)

**Additional information:**

RTECS WT1050000

**Sodium Deoxycholate**

*Acute Oral Toxicity*
Rat LD50: 1,370 mg/kg (As Per RTECS)
Rat Intraperitoneal LD50: 123 mg/kg
Rat Subcutaneous LD50: 2,430 mg/kg

Additional Information:
RTECS FZ2250000

12 Ecological Information
12.1 Toxicity
No data available

Components:
Sodium Lauryl Sulphate
Toxicity to fish
Pimephales promelas (fathead minnow) LC50: 29 mg/l; 96 h
(As Per OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates
Daphnia magna (Water flea) EC50: 6 mg/l; 48 h (As Per IUCLID)
Toxicity to algae
Desmodesmus subspicatus (green algae) Static test: EC50:
53 mg/l; 72 h
Toxicity to bacteria
Photobacterium phosphoreum (formerly known as V. fischeri) Microtox test: EC50: 0.46 mg/l; 30 min (As Per IUCLID)
Activated sludge EC50: 130 mg/l; 3 h (As Per OECD Test Guideline 209)

Components
Sodium deoxycholate
Toxicity to Fish
Oryzias latipes LC50: 115 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

13 Disposal Considerations
13.1 Waste treatments methods
Product
Waste treatment must be disposed of in accordance with the Directive on waste 2008/98/EC Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material. Dissolve or mix the material with a combustive solvent and burn in chemical incinerator equippped with an afterburner and scrubber.

13.2 Contaminated packaging
Dispose of as unused product.

14  Transport Information
14.1 UN-No
ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

14.2 UN proper shipping name
ADNR : Not dangerous goods
ADR : Not dangerous goods
IATA_C : Not dangerous goods
IATA_P : Not dangerous goods
IMDG : Not dangerous goods
RID : Not dangerous goods

14.3 Transport hazard class(es)
ADNR : -
ADR : -
IATA_C : -
IATA_P : -
IMDG : -
RID : -

14.4 Packaging group
ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

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
For this product a chemical safety assessment was not carried out.

16  Other information
Text of H codes and classification mentioned in section 3
H228  Flammable solid
H302  Harmful if swallowed
H311  Toxic in contact with skin
H315  Causes skin irritation
H319  Causes serious eye irritation
H335  May cause respiratory irritation
H350  May cause cancer
Acute Tox. dermal. 3  Acute toxicity, dermal, Category 3
Acute Tox. oral 4  Acute toxicity, oral, Category 4
Carc. 1B  Carcinogenicity, Category 1B
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
Flam. Sol. 2  Flammable solids, Category 2
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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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.