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

1.1 Product Identifiers
Product Number GM1106
Product Name M-Endo Agar LES, Granulated
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. : +91-22-25002468
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]
Carcinogenicity, (Category 2), H351

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

Pictogram
Signal word Warning
Hazard Statement(s)
H351 Suspected of causing cancer
Precautionary Statement(s)
P201 Obtain special instructions before use.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P281 Use personal protective equipment as required.

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></td>
<td>Carc. 1B H350</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td></td>
<td>Flam. Sol. 2; Acute Tox. oral 4; Acute Tox. dermal. 3; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H228; H302; H311; H315; H319; H335</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<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></td>
<td>Acute Tox. oral 4; STOT SE 3 H302; H335</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 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.
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, Sulphur oxides, Sodium oxides, Hydrogen chloride gas, Oxides of phosphorus, Potassium oxides

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 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 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 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
Appearance Light pink to purple coloured granular medium
Odour No data available
Odour Threshold No data available
pH 7.00 - 7.40
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 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
No data available
Respiratory or skin sensitisation
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
Additional Information
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
12   Ecological Information
12.1  Toxicity
No data available for this mixture

Components
Sodium deoxycholate
*Toxicity to Fish*
Oryzias latipes LC50: 115mg/l; 48h

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; 72h

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)

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

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 : 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
No data available

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.