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

1.1 Product Identifiers

Product Number  M1273
Product Name    Modified Pseudomonas Selective Agar w/ Cetrimide (Twin Pack)
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)
Hazardous to the aquatic environment, long term hazard, (Category 1), H410

2.2 Label elements

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

Pictogram
Signal word  Warning
Hazard Statement(s)
H410  Very toxic to aquatic life with long lasting effects
Precautionary Statement(s)
P273  Avoid release to the environment.

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>Cetrimide</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>8044-71-1</td>
<td>Eye Dam. 1; Acute Tox. oral 4; Acute Tox. dermal. 4; Skin Corr. 1B; Acute Tox.inhal. 4 H318; H302; H312; H314; H332</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.
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, 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 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Part A: White to cream homogenous free flowing powder Part B: Cream to yellow homogenous free flowing powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>7.10 - 7.50</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

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

No data available

#### 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

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

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 : No data available

11.2 Components

Cetrimide

Acute Oral Toxicity
Rat LD50: 410 mg/kg (RTECS)

Eye Irritation
Rabbit- Irritant to eyes

Skin Irritation
Rabbit- Mild irritant to skin and mucous membranes

Skin Sensitization
No sensitizing effects known

Respiratory or Skin Sensitization
No sensitizing effects known

Subacute to chronic toxicity
Target organs: Respiratory tract, eyes, kidneys, and skin.
Specific target organ toxicity - single exposure
Inhalation - May cause respiratory irritation
Specific target organ toxicity - repeated exposure
Oral - May cause damage to organs through prolonged or repeated exposure

Carcinogenicity Classification
Not listed in IARC (International Agency for Research on Cancer)
Not listed in NTP (National Toxicology Program)

Additional information:
RTECS BQ7875000

12 Ecological Information
12.1 Toxicity
No data available
Components
Cetrimide

Toxicity to Fish
Danio rerio (zebra fish): LC50 0.2 mg/l; 96h
(As per OECD Test Guideline 203 - ECHA)

Toxicity to daphnia and other aquatic invertebrates
Daphnia magna (water flea): EC50 0.037 mg/l; 48h
(As per OECD Test Guideline 202 - ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
Daphnia (water flea): NOEC 0.023 mg/l; 21d
(As per OECD Test Guideline 211 - ECHA)

Toxicity to algae
Desmodesmus subspicatus: (green algae)
Growth rate ErC50 0.004 mg/l; 72h (ECHA)
Growth rate NOEC 0.001 mg/l; 72h (ECHA)

Toxicity to bacteria
Photobacterium phosphoreum: EC50 9.8 mg/l; 5 min (Lit.) (ECHA)

Additional information
Biodegradability
Aerobic Chemical oxygen demand
100%; 11d; (As per OECD Test Guideline 301E - ECHA)
Readily biodegradable.
>95%; 48h (As per OECD Test Guideline 302B - ECHA)
Readily eliminated from water

M-Factor
100

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
12.4 **Mobility in soil**
No data available

12.5 **PBT and vPvB assessment**
No data available

12.6 **Other adverse effects**
No data available

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 : 3077  ADR : 3077  IATA_C : 3077  IATA_P : 3077  IMDG : 3077  RID : 3077

14.2 **UN proper shipping name**

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>Environmentally hazardous substance, solid, n.o.s</td>
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<tr>
<td>ADR</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
</tr>
<tr>
<td>IATA_C</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
</tr>
<tr>
<td>IATA_P</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
</tr>
<tr>
<td>IMDG</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
</tr>
<tr>
<td>RID</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
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</table>

14.3 **Transport hazard class(es)**

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<tr>
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<tr>
<td>IATA_C</td>
<td>9</td>
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<td>IATA_P</td>
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<tr>
<td>IMDG</td>
<td>9</td>
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<tr>
<td>RID</td>
<td>9</td>
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</table>

14.4 **Packaging group**

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<th>Level</th>
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<tbody>
<tr>
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<td>III</td>
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<td>III</td>
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<td>IMDG</td>
<td>III</td>
</tr>
<tr>
<td>RID</td>
<td>III</td>
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</table>

14.5 **Environmental hazards**

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>ADNR</td>
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<tr>
<td>IMDG</td>
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<tr>
<td>IATA_C</td>
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<td>IATA_P</td>
<td>No</td>
</tr>
<tr>
<td>RID</td>
<td>No</td>
</tr>
</tbody>
</table>

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
H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H332 Harmful if inhaled
Acute Tox. dermal. 4 Acute toxicity, dermal, Category 4
Acute Tox.inhal. 4 Acute toxicity, inhaled, Category 4
Acute Tox.oral 4 Acute toxicity, oral, Category 4
Eye Dam. 1 Serious eye damage or eye irritation, Category 1
Skin Corr. 1B Skin corrosion or irritation, Category 1B

Further Information
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