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

1.1 Product Identifiers

Product Number: M024

Product Name: Cetrimide Agar Base

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

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>57-09-0</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>200-311-3</td>
<td></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, Sulphur oxides, Hydrogen chloride gas, Magnesium oxides, 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cream to yellow coloured homogeneous 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>
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<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>
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<tr>
<td>Flammability (Solid, gas)</td>
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</tr>
<tr>
<td>Vapour pressure</td>
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<tr>
<td>Relative density</td>
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<tr>
<td>Water Solubility</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Autoignition Temperature</td>
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</tr>
<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
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<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
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</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

10.6 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

**Skin corrosion/irritation**
No data available

**Serious eye damage/eye irritation**
No data available

**Respiratory or skin sensitisation**
No data available

**Carcinogenicity**
No data available

**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: ECS0 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
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**
Discharge into the environment must be avoided.

### 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

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<th>Code</th>
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<tr>
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<td>3077</td>
</tr>
<tr>
<td>IATA_C</td>
<td>3077</td>
</tr>
<tr>
<td>IATA_P</td>
<td>3077</td>
</tr>
<tr>
<td>IMDG</td>
<td>3077</td>
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<tr>
<td>RID</td>
<td>3077</td>
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</table>

#### 14.2 UN proper shipping name

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<tr>
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<th>Description</th>
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<tr>
<td>ADNR</td>
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<tr>
<td>ADR</td>
<td>Environmentally hazardous substance, solid, n.o.s</td>
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<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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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ADNR</td>
<td>9 ADR : 9 IATA_C : 9 IATA_P : 9 IMDG : 9 RID : 9</td>
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</table>

#### 14.4 Packaging group

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>

#### 14.5 Environmental hazards

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADNR</td>
<td>no ADR : no IMDG : marine pollutant no IATA_C : No IATA_P : No RID : no</td>
</tr>
</tbody>
</table>

#### 14.6 Special precautions for use

No data available

Packages smaller than or equal to 5 Kg/L not dangerous goods of Class 9

### 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
- **H315** Causes skin irritation
- **H319** Causes serious eye irritation
- **H335** May cause respiratory irritation
- **H410** Very toxic to aquatic life with long lasting effects
- Acute Tox.oral 4 Acute toxicity, oral, Category 4
- Aquatic Chronic 1 Hazardous to the aquatic environment, long term hazard, Category 1
- Eye Irrit. 2A Serious eye damage or eye irritation, Category 2A
- 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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