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

1.1 Product Identifiers
- **Product Number**: M1469
- **Product Name**: HiFluoro™ Pseudomonas 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
- **Relevant identified uses**: Laboratory Chemicals, Analytical Purpose, Biochemical Analysis, For 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

Hazard 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 2), H411

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**

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;=0.5 - &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, Nitrogen oxides (NOx), Sulphur oxides, Potassium oxides,, Magnesium 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 2-8°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 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.

---

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Cream to yellow homogeneous free flowing powder</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Odour Threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>7.00 - 7.40</td>
</tr>
<tr>
<td><strong>Melting/freezing point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability (Solid, gas)</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Thermal decomposition</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2 Other safety information

No data available

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### 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

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### 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

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**12 Ecological Information**

**12.1 Toxicity**

No data available for this mixture

**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**

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
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

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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