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

1.1  Product Identifiers
   Product Number  M1097
   Product Name  High Plate Count Agar
   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
   Email Id  info@himedialabs.com
   Website  www.himedialabs.com
   Mail Id

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]**
   Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

2.2  Label elements
   **Labeling according to Regulation (EC) No.1272/2008**
   The product does not need to be labelled in accordance with EC directives or respective national laws.

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>Ferric chloride</td>
<td>As Per EC Regulation 1272/2008 Met. Corr. 1; Acute Tox. oral 4; Skin Irrit. 2; Eye Dam. 1</td>
<td>&gt;=0.01 - &lt;=0.1%</td>
</tr>
<tr>
<td>CAS No.:</td>
<td>7705-08-0</td>
<td></td>
</tr>
<tr>
<td>EC No.:</td>
<td>231-729-4</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 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, 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 adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see Section 13.
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.

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 of 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.

Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance: Cream to yellow coloured homogeneous free
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
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

**Ferric chloride**
Acute oral toxicity
Rat LD50: 3,200mg/kg (As per OECD Guideline 401)

Acute inhalation toxicity
No data available

Acute dermal toxicity
Rabbit LD50: > 559mg/kg (As per EPA OPP 81-2)

Skin irritation
Rabbit Result: Non Irritant (As per OECD Guideline 404)

Eye irritation
Rabbit Result: Irreversible effects on the eye (ECHA)

Sensitisation
Guinea pig Result: Not sensitising

Genetic toxicity(in-vitro)
Mammalian cell gene mutation assay
Mouse lymphoma cells Result : Negative

Genetic toxicity(in-vivo)
Mouse Result: Positive (ECHA)

Carcinogenicity
No data available

Toxicity to Reproduction
No data available

Teratogenicity
No data available

**Additional information:**
RTECS: LJ9100000

### 12 Ecological Information

#### 12.1 Toxicity
No data available

**Components:**
- Ferric chloride

*Toxicity to microorganisms*
Activated sludge IC50: ca. 170 mg/L (ECHA)

#### 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 substance or mixture contains no components considered to be persistent, bioaccumulating nor 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 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

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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 data sheet 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

H290   May be corrosive to metals
H302   Harmful if swallowed
H315   Causes skin irritation
H318   Causes serious eye damage
Acute Tox.oral 4   Acute toxicity, oral, Category 4
Eye Dam. 1   Serious eye damage or eye irritation, Category 1
Met. Corr. 1   Corrosive to metals, Category 1
Skin Irrit. 2   Skin corrosion or irritation, Category 2

Further Information

Copyright 2016 HiMedia Laboratories Pvt. Ltd.
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.