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

1.1 Product Identifiers
Product Number: AL237A
Product Name: Minimum Essential Medium Eagle/ Nutrient Mixture F12 Ham (MEM/ F12 1:1 Mixture) w/ 15mM HEPES buffer, 2.5mM L-Glutamine and Sodium bicarbonate

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses: Laboratory chemicals, Manufacture of substances

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.: +91-22-2500 2468
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]
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
No components need to be disclosed according to the applicable regulations.

4 First Aid Measures
4.1 Description of first aid measures
General advice
Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. Consult a physician.

In case of skin contact

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Wash off with soap and plenty of water. If skin irritation occurs, get medical advice/attention.

_in case of eye contact_
Rinse out with plenty of water with the eyelid held wide open. If eye irritation persists, get medical advice/attention.

_if swallowed_
Rinse mouth with water. Consult a physician if feeling unwell.

4.2 **Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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 extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

_Unsuitable extinguishing media_

5.2 **Special hazards arising from the substance or mixture**
Nature of decomposition products unknown

5.3 **Precautions for fire-fighters**
No data available.

5.4 **Further information**
Wear self-contained breathing apparatus for firefighting if necessary.

6 **Accidental Release Measures**
6.1 **Personal precautions, protective equipment and emergency procedures**
Use personnel protective equipment. Wear disposable gloves, dust mask and eye protection. Avoid dust formation. For personal protection see section 8.

6.2 **Environmental precautions**
Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

6.3 **Methods and materials for containment and cleaning up**
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 formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

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**
Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the products.

**Personal protective equipment**

**Hygiene measure**
Avoid contact with skin, eyes and clothing. Immediately change contaminated clothing.

**Eye/face protection**
Safety glasses with side-shields conforming to EN 166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection**
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. 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.

**Body protection**
Impervious clothing The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environment exposure controls**
Do not let product enter 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>Orangish red colored, clear solution</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>No data available</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>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</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>
</tbody>
</table>
Relative density  
Partition coefficient: n-octanol/water  
Autoignition Temperature  
Decomposition Temperature  
Viscosity  
Explosive properties  
Oxidizing properties  
Vapour density  
Thermal decomposition  

9.2 Other safety information  
No data available

10 Stability and Reactivity
10.1 Reactivity  
No data available
10.2 Chemical stability  
Stable under recommended storage conditions.
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  
None under normal use conditions. Other decomposition products. No data available. In event of fire - refer section 5

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
Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

12 Ecological Information
12.1 Toxicity
No data available

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
PBT and vPvB assessment not available Chemical safety assessment is not required

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. Dispose off waste in accordance with all applicable Federal, state and local laws.

13.2 Contaminated packaging
Dispose in accordance with all applicable federal, state, and local environmental regulations.

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
### 14.5 Environmental hazards

No data available

### 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

**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.