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

1.1 Product Identifiers
- Product Number: G063
- Product Name: SDA Growth Medium
- REACH Registration Number: Reach registration number is not available for this mixture. The annual tonnage does not require a REACH registration or it is envisaged for a later registration deadline.

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.: +91-22-25002468
- Mail Id: mb@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]
  - Skin corrosion or irritation, (Category 2), H315
  - Serious eye damage or eye irritation, (Category 2A), H319

2.2 Label elements
- Labeling according to Regulation (EC) No.1272/2008

  Pictogram: !
  Signal word: Warning
  Hazard Statement(s):
  - H315: Causes skin irritation
  - H319: Causes serious eye irritation
  Precautionary Statement(s):
  - P280: Wear protective gloves/protective clothing/eye protection/face protection.
  - P264: Wash hands thoroughly after handling. Wash skin thoroughly after handling.
  - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact...
lenses, if present and easy to do. Continue rinsing.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

### 2.3 Other Hazards

None

### 3 Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L-Tyrosine</strong></td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;= -</td>
</tr>
<tr>
<td>CAS No. : 60-18-4</td>
<td>Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3</td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-460-4</td>
<td>H315; H319; H335</td>
<td></td>
</tr>
<tr>
<td>Molecular Formula : C₉H₁₁NO₃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight : 181.19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **L-Phenylalanine**              |                                                    | >= -          |
| CAS No. : 63-91-2                |                                                     |
| EC No. : 200-568-1               |                                                     |
| Molecular Formula : C₉H₁₁NO₂     |                                                     |
| Molecular Weight : 165.19        |                                                      |

| **L-Methionine, Plant Culture Tested** | | >= - |
| CAS No. : 63-68-3                 | | |
| EC No. : 200-562-9                | | |
| Molecular Formula : C₅H₁₁NO₂S     | | |
| Molecular Weight : 149.21         | | |

| **L-Isoleucine, Plant Culture Tested** | | >= - |
| CAS No. : 73-32-5                  | | |
| EC No. : 200-798-2                 | | |
| Molecular Formula : C₆H₁₃NO₂       | | |
| Molecular Weight : 131.17          | | |
### Component Classification Concentration

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Aspartic acid</td>
<td></td>
<td>&gt;= -</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>56-84-8</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>200-291-6</td>
<td></td>
</tr>
<tr>
<td>Molecular Formula :</td>
<td>C₄H₇NO₄</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight   :</td>
<td>133.10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Arginine</td>
<td></td>
<td>&gt;= -</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>74-79-3</td>
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<tr>
<td>EC No. :</td>
<td>200-811-1</td>
<td></td>
</tr>
<tr>
<td>Molecular Formula :</td>
<td>C₆H₁₄N₄O₂</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight   :</td>
<td>174.20</td>
<td></td>
</tr>
</tbody>
</table>

### 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
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
Treat symptomatically.

### 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
When heated to decomposition, emits toxic fumes.

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**
Use personnel protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 **Environmental precautions**
No special environmental precautions required.

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.

7 **Handling and Storage**

7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. 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. Storage class (TRGS 510): Non Combustible Liquids

*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 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 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>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>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>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition 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>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**

Stable under recommended storage conditions.

10.3 **Possibility of hazardous reactions**

No data available

10.4 **Conditions to avoid**
10.5  **Incompatible materials**
Strong oxidizing agents

10.6  **Hazardous decomposition products**
In the 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*
No data available

*Aspiration hazard*
No data available

**Additional Information**

RTECS : Not Applicable

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**
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.
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
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
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
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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