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

1.1 Product Identifiers
- **Product Number**: G067
- **Product Name**: SD Growth Medium w/o URA
- **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.
- 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
- ![Warning](image)

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>Adenine</strong></td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;= -</td>
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<tr>
<td>CAS No. : 73-24-5</td>
<td>Acute Tox.oral. 3 H301</td>
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<tr>
<td>EC No. : 200-796-1</td>
<td></td>
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<tr>
<td>Molecular Formula : C₅H₅N₅</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight : 135.13</td>
<td></td>
<td></td>
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</tbody>
</table>

| **L-Arginine monohydrochloride**   |                                                     | >= -          |
| CAS No. : 1119-34-2                |                                                     |               |
| EC No. : 214-275-1                 |                                                     |               |
| Molecular Formula : C₆H₁₄N₄O₂.HCl   |                                                     |               |
| Molecular Weight : 210.66          |                                                     |               |

| **L-Histidine monohydrochloride monohydrate** | | >= - |
| CAS No. : 5934-29-2                  | |                   |
| EC No. : 211-438-9                   | |                   |
| Molecular Formula : C₆H₉N₃O₂.HCl.H₂O | |                   |
| Molecular Weight : 209.63            | |                   |

| **L-Aspartic acid**                 | | >= - |
| CAS No. : 56-84-8                   | |                   |
| EC No. : 200-291-6                  | |                   |
| Molecular Formula : C₄H₇NO₄          | |                   |
| Molecular Weight : 133.10           | |                   |

<p>| <strong>L-Isoleucine, Plant Culture Tested</strong> | | &gt;= - |
| CAS No. : 73-32-5                    | |                   |
| EC No. : 200-798-2                   | |                   |
| Molecular Formula : C₆H₁₃NO₂          | |                   |</p>
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<td>L-Leucine</td>
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<tbody>
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<tr>
<td>EC No. : 200-294-2</td>
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<td>Molecular Formula : C₆H₁₄N₂O₂</td>
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<tr>
<th>Component</th>
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<td>L-Methionine, Plant Culture Tested</td>
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<td>CAS No. : 63-68-3</td>
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<td>EC No. : 200-562-9</td>
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<td>Molecular Weight : 149.21</td>
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<tr>
<td>L-Phenylalanine</td>
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<td>Molecular Weight : 165.19</td>
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<tr>
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<td>L-Threonine</td>
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<tr>
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<th>Classification</th>
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<tbody>
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<td>CAS No. : 73-22-3</td>
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<td>Molecular Formula : C₁₁H₁₂N₂O₂</td>
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<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
   Nature of decomposition products unknown, 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: 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
No special environmental precautions required.
9 Physical and chemical properties
9.1 Information on basic physical and chemical properties
Appearance White to cream coloured, homogeneous free flowing powder.
Odour No data available
Odour Threshold No data available
pH No data available
Melting/freezing point No data available
Initial boiling point and boiling range No data available
Flash point No data available
Evaporation rate No data available
Vapour pressure No data available
Relative density No data available
Water Solubility No data available
Autoignition Temperature No data available
Decomposition Temperature No data available
Explosive properties No data available
Oxidizing properties 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
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
No data available
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  

---

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

H301 Toxic if swallowed
Acute Tox.oral. 3 Acute toxicity, oral, Category 3

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.