1 Identification of the substances/ mixture and of the company/ undertaking
1.1 Product Identifiers
Product Number: G047
Product Name: YES 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>Adenine</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.005 - &lt;=0.01%</td>
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<tr>
<td>CAS No. :</td>
<td>73-24-5</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>200-796-1</td>
<td></td>
</tr>
<tr>
<td>Molecular Formula :</td>
<td>C₅H₅N₅</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight :</td>
<td>135.13</td>
<td></td>
</tr>
<tr>
<td>Histidine</td>
<td></td>
<td>&gt;=0.005 - &lt;=0.01%</td>
</tr>
<tr>
<td>L-Leucine</td>
<td></td>
<td>&gt;=0.005 - &lt;=0.01%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>61-90-5</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>200-522-0</td>
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</tr>
<tr>
<td>Molecular Formula :</td>
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<td></td>
</tr>
<tr>
<td>Molecular Weight :</td>
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<td></td>
</tr>
<tr>
<td>Lysine Hydrochloride</td>
<td></td>
<td>&gt;=0.005 - &lt;=0.01%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>66-22-8</td>
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<tr>
<td>EC No. :</td>
<td>200-621-9</td>
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<tr>
<td>Molecular Formula :</td>
<td>C₄H₄N₂O₂</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight :</td>
<td>112.09</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**
Nature of decomposition products unknown

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><strong>Appearance</strong></td>
<td>Cream to yellow coloured 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>No data available</td>
</tr>
</tbody>
</table>
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
Flammability (Solid, gas)  No data available
Vapour pressure  No data available
Relative density  No data available
Autoignition Temperature  No data available
Decomposition Temperature  No data available
Explosive properties  No data available
Oxidizing properties  No data available

Other safety information

9.2  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
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
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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