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

1.1 **Product Identifiers**
- **Product Number**: MB611
- **Product Name**: HiPurA® Yeast RNA Purification Kit
- **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]**
- Acute toxicity, Oral, (Category 4), H302
- Acute toxicity, Dermal, (Category 4), H312
- Skin corrosion or irritation, (Category 1C), H314
- Serious eye damage or eye irritation, (Category 1), H318
- Acute toxicity, Inhaled, (Category 4), H332
- Hazardous to the aquatic environment, acute hazard, (Category 3), H402

For the full text of the H-Statements mentioned in this Section, See Section 16

2.2 **Label elements**

**Labeling according to Regulation (EC) No.1272/2008**

- **Pictogram**
- **Signal word**: Danger

- **Hazard Statement(s)**
  - **H302**: Harmful if swallowed
  - **H312**: Harmful in contact with skin
  - **H314**: Causes severe skin burns and eye damage
H318 Causes serious eye damage
H332 Harmful if inhaled
H402 Harmful to aquatic life

Precautionary Statement(s)
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling. Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312+P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.

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>Triton® X-100, For Molecular Biology</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral 4; Eye Dam. 1 H302; H318</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>CAS No. : 9002-93-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Formula : C₃₄H₆₂O₁₁</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight : 646.87</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guanidine thiocyanate, For Molecular Biology</td>
<td>As Per EC Regulation 1272/2008 Acute Tox. Oral, dermal, inhal, 4; Skin Corr. 1A; Aquatic Chronic 3</td>
<td>20 - 25%</td>
</tr>
<tr>
<td>CAS No. : 593-84-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No. : 209-812-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Formula : CH₅N₃.CHNS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight : 118.16</td>
<td></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 with plenty of soap and 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**
No data available.

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. Wear disposable gloves, dust mask and eye protection.

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. Clean up affected area. Flush spill area with water.

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

---

7  **Handling and Storage**
7.1 Precautions for safe handling
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: Store between 15-25°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

<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>
</tbody>
</table>
Initial boiling point and boiling range  No data available
Flash point  No data available
Upper/lower flammability or explosive limits  No data available
Evaporation rate  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
Decomposition Temperature  No data available
Viscosity  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
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
Other Decomposition products. No Data Available

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

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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 : Not applicable

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### 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

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### 13 Disposal Considerations

#### 13.1 Waste treatments methods

**Product**
Offer surplus and non-recyclable solutions to a licenced company.

**Contaminated packaging**
Dispose of as unused product.

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### 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

H302 Harmful if swallowed
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects
Acute Tox. Oral, dermal, inhal, 4 Harmful if swallowed, in contact with skin or if inhaled
Acute Tox.oral 4 Acute toxicity, oral, Category 4
Aquatic Chronic 3 Hazardous to the aquatic environment, long term hazard, Category 3
Eye Dam. 1 Serious eye damage or eye irritation, Category 1
Skin Corr. 1A Skin corrosion or irritation, Category 1A

Further Information

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