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

1.1 Product Identifiers
- Product Number: MB570
- Product Name: Agarose Gel Electrophoresis 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: For Laboratory and Research Use

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
  - Skin corrosion or irritation, (Category 2), H315
  - Serious eye damage or eye irritation, (Category 2A), H319
  - Acute toxicity, Inhaled, (Category 1), H330
  - Germ cell mutagenicity, (Category 2), H341

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

  Pictogram
  Signal word: Danger
  Hazard Statement(s)
  - H302: Harmful if swallowed
  - H315: Causes skin irritation
  - H319: Causes serious eye irritation
  - H330: Fatal if inhaled
Suspected of causing genetic defects

Precautionary Statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P281 Use personal protective equipment as required.
P284 Wear respiratory protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

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<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
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<tbody>
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<table>
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<td>Molecular Weight :</td>
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</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
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  
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**
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

---

13  Disposal Considerations
13.1  Waste treatments methods
**Product**
Offer surplus and non-recyclable solutions to a licenced company.

13.2  Contaminated packaging
Dispose of as unused product.
### 14 Transport Information

#### 14.1 UN-No

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#### 14.2 UN proper shipping name

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#### 14.3 Transport hazard class(es)

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#### 14.4 Packaging group

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#### 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

- **H226**: Flammable liquid and vapour
- **H314**: Causes severe skin burns and eye damage
- **H315**: Causes skin irritation
- **H319**: Causes serious eye irritation
- **H331**: Toxic if inhaled
- **H335**: May cause respiratory irritation
- **H341**: Suspected of causing genetic defects
- **Acute Tox. inhal. 3**: Acute toxicity, inhaled, Category 3
- **Eye Irrit. 2A**: Serious eye damage or eye irritation, Category 2A
- **Flam. Liq. 3**: Flammable liquids, Category 3
- **Muta. 2**: Germ cell mutagenicity, Category 2
- **Skin Corr. 1A**: Skin corrosion or irritation, Category 1A
- **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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