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

1.1 Product Identifiers
Product Number MBP001
Product Name Alkaline Hemoglobin 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 In Vitro Diagnostic 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 2), H300
Acute toxicity, Oral, (Category 4), H302
Skin corrosion or irritation, (Category 2), H315
Acute toxicity, Inhaled, (Category 3), H331
Specific target organ toxicity, repeated exposure, (Category 2), H373
Hazardous to the aquatic environment, acute hazard, (Category 1), H400
Hazardous to the aquatic environment, long term hazard, (Category 1), H410
Carcinogenicity, (Category 2), H351
Flammable liquids, (Category 2), H225
Acute toxicity, Oral, (Category 3), H301
Acute toxicity, Dermal, (Category 3), H311
Specific target organ toxicity, single exposure, (Category 1), H370
Flammable liquids, (Category 3), H226
Skin corrosion or irritation, (Category 1A), H314
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

www.himedialabs.com
Safety data sheet (SDS)
Revision: 00000
Date of Revision: 19.07.2019
Pictogram
Signal word          Danger

Hazard Statement(s)
H300    Fatal if swallowed
H302    Harmful if swallowed
H315    Causes skin irritation
H331    Toxic if inhaled
H373    May cause damage to organs through prolonged or repeated exposure
H400    Very toxic to aquatic life
H410    Very toxic to aquatic life with long lasting effects
H351    Suspected of causing cancer
H225    Highly flammable liquid and vapour
H301    Toxic if swallowed
H311    Toxic in contact with skin
H370    Causes damage to organs
H226    Flammable liquid and vapour
H314    Causes severe skin burns and eye damage

Precautionary Statement(s)
P273    Avoid release to the environment.
P280    Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P330  IF SWALLOWED : Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P352  IF ON SKIN: wash with plenty of soap and water.
P310    Immediately call a POISON CENTER or doctor/physician.
P391    Collect spillage.
P501    Dispose of contents/container to an approved waste disposal plant.
P261    Avoid breathing dust/fume/gas/mist/vapours/spray.
P281    Use personal protective equipment as required.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311    Call a POISON CENTER or doctor/physician.
P210    Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P260    Do not breathe dust/fume/gas/mist/vapours/spray.

2.3 Other Hazards
None
3 Composition/Information On Ingredients

3.2 Mixture

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<th>Component</th>
<th>Classification</th>
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<td></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 of 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>
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<td>Odour</td>
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<td>Odour Threshold</td>
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<td>pH</td>
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<td>Melting/freezing point</td>
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<tr>
<td>Initial boiling point and boiling range</td>
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</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
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</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
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

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
14.2 UN proper shipping name
ADNR : Chloroform
14.3  Transport hazard class(es)
ADR : Chloroform
IATA_C : Chloroform
IATA_P : Chloroform
IMDG : Chloroform
RID : Chloroform

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

H225  Highly flammable liquid and vapour
H226  Flammable liquid and vapour
H300+H310  Fatal if swallowed or in contact with skin
H301  Toxic if swallowed
H302  Harmful if swallowed
H311  Toxic in contact with skin
H314  Causes severe skin burns and eye damage
H315  Causes skin irritation
H319  Causes serious eye irritation
H331  Toxic if inhaled
H336  May cause drowsiness or dizziness
H351  Suspected of causing cancer
H361d  Suspected of damaging the unborn child
H370  Causes damage to organs
H372  Causes damage to organs through prolonged or repeated exposure
H373  May cause damage to organs through prolonged or repeated exposure
H410  Very toxic to aquatic life with long lasting effects
Acute Tox. dermal. 3  Acute toxicity, dermal, Category 3
Acute Tox. inhal. 3  Acute toxicity, inhaled, Category 3
Acute Tox. Oral, dermal 1,2  Fatal if swallowed or in contact with skin
Acute Tox.oral 4  Acute toxicity, oral, Category 4
Acute Tox.oral. 3  Acute toxicity, oral, Category 3
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<th>Hazard Class</th>
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<td>Carcinogenicity, Category 2</td>
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<td>Eye Irrit. 2A</td>
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<td>Flam. Liq. 2</td>
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<td>Flam. Liq. 3</td>
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<td>STOT RE 2</td>
<td>Specific target organ toxicity, repeated exposure, Category 2</td>
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<td>Specific target organ toxicity, single exposure, Category 1</td>
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<td>Specific target organ toxicity, single exposure, Narcotic effects, Category 3</td>
</tr>
</tbody>
</table>

**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.