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

1.1 Product Identifiers
Product Number M904
Product Name ASLA Agar Base
REACH Registration Number This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses Laboratory Chemicals, Analytical Purpose, Biochemical Analysis

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 info@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]
Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008
The product does not need to be labelled in accordance with EC directives or respective national laws.

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>
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</thead>
<tbody>
<tr>
<td>Ferric sulphate heptahydrate</td>
<td>As Per EC Regulation 1272/2008 Acute Tox. oral 4; Eye Irrit. 2A; STOT SE 3 H302; H319; H335</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
</tbody>
</table>
### Component Classification

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Cysteine HCl monohydrate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
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<tr>
<td></td>
<td>Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H315; H319; H335</td>
<td></td>
</tr>
<tr>
<td>L-Cysteine HCl monohydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No. : 7048-04-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-157-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese sulphate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td></td>
<td>STOT RE 2; Aquatic Chronic 2 H373; H411</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
<tr>
<td>Manganese sulphate</td>
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</table>

Refer Section 16 for complete statement of H codes and its classification.

### 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
No data available.

#### 4.3 Indication of immediate medical attention and special treatment needed
No data available.

### 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
Sodium oxides, Sulphur oxides, Iron oxides, Magnesium oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Potassium oxides

#### 5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.
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. Normal measures for preventive fire protection.

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: 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 2016/425/EEC and the standard EN ISO 374-1/2016 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 empty into drains.

<table>
<thead>
<tr>
<th>9</th>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1</td>
<td>Information on basic physical and chemical properties</td>
</tr>
<tr>
<td></td>
<td>Appearance: Cream to yellow coloured homogeneous free flowing powder</td>
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<tr>
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<td>Odour: No data available</td>
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<tr>
<td></td>
<td>Odour Threshold: No data available</td>
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<tr>
<td></td>
<td>pH: 6.30 - 6.70</td>
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<td></td>
<td>Melting/freezing point: No data available</td>
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<td>Initial boiling point and boiling range: No data available</td>
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<td></td>
<td>Flash point: No data available</td>
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<tr>
<td></td>
<td>Flammability (Solid, gas): No data available</td>
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<td></td>
<td>Vapour pressure: No data available</td>
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<td></td>
<td>Relative density: No data available</td>
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<td>Water Solubility: No data available</td>
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<td></td>
<td>Partition coefficient: n-octanol/water: No data available</td>
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<tr>
<td></td>
<td>Autoignition Temperature: No data available</td>
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<tr>
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<td>Viscosity: No data available</td>
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<tr>
<td></td>
<td>Explosive properties: No data available</td>
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<tr>
<td></td>
<td>Oxidizing properties: No data available</td>
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<tr>
<td></td>
<td>Vapour density: No data available</td>
</tr>
<tr>
<td></td>
<td>Thermal decomposition: No data available</td>
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</table>

| 9.2  | Other safety information |
|      | No data available |

<table>
<thead>
<tr>
<th>10</th>
<th>Stability and Reactivity</th>
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</thead>
<tbody>
<tr>
<td>10.1</td>
<td>Reactivity: No data available</td>
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<td>10.2</td>
<td>Chemical stability: No data available</td>
</tr>
<tr>
<td>10.3</td>
<td>Possibility of hazardous reactions: No data available</td>
</tr>
<tr>
<td>10.4</td>
<td>Conditions to avoid: No data available</td>
</tr>
</tbody>
</table>
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Refer Section 5.2

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 : No data available

11.2 Components

Ferrrous Sulphate,Heptahydrate

Acute Oral Toxicity
Rat LC50: 319 mg/kg

Additional Information
RTECS: NO8510000
L-Cysteine Hydrochloride  
*Acute toxicity*
Mouse Intravenous LD50: 771 mg/kg  
Mouse Intraperitoneal LD50: 1,250 mg/kg  
*Germ cell mutagenicity*
Mouse(male) Result: Negative  

**Additional Information:**
RTECS: HA2275000

**Manganese sulphate**  
*Acute oral toxicity*
Rat LD50: 2,150 mg/kg  
(As per IUCLID)  
*Acute Dermal Toxicity*
Rat LD50: Not determined.  
*Acute Inhalation Toxicity*
Rat LC50: > 4.45 mg/l  
(As per OECD Test Guideline 403)  
**Additional Information**
RTECS: OP1050000

---

12 Ecological Information

12.1 Toxicity

No data available

**Components:**

**Ferrous Sulphate, heptahydrate**  
*Toxicity to fish*
Poecilia reticulata (guppy) LC50: 925 mg/l; 96 h (As Per IUCLID)

*Toxicity to daphnia and other aquatic invertebrates*
Daphnia magna (Water flea) EC50: 152 mg/l; 48 h (anhydrous substance) (As Per IUCLID)

*Toxicity to bacteria*
Pseudomonas fluorescens EC50: 100 mg/l; 24 h (anhydrous substance) (As Per IUCLID)

**Components**

**Manganese sulphate**  
*Toxicity to Fish*
Onchorhyncus mykiss (Rainbow trout) LC50 :14.5 mg/l; 96h.
Pimephales promelas (fathead minnow) LC50 : 30.6 mg/l; 96 h.

*Toxicity to daphnia and other aquatic invertebrates*
Daphnia magna (Water flea) EC50 : 8.3 mg/l; 48 h.

*Acute Toxicity to Aquatic Plants*
Desmodesmus subspicatus (algae) EC50  61 mg/l; 72 h  
(As per OECD Test Guideline 201)

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
This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.
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. Contact a licenced professional waste disposal service to dispose off this material.
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
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
15.1 Safety health and environment regulations/legislation specific for the substance or mixture
   No data available
15.2 Chemical Safety Assessment
### 16 Other information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>Acute Tox.oral 4</td>
<td>Acute toxicity, oral, Category 4</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment, long term hazard, Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage or eye irritation, Category 2A</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion or irritation, Category 2</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity, repeated exposure, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3</td>
</tr>
</tbody>
</table>

### Further Information

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