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

1.1 Product Identifiers
Product Number MV386
Product Name McBride Listeria HiVeg™ 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 For InVitro 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 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>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium chloride</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>Acute Tox.oral 4; Eye Irrit. 2A; STOT SE 3; Skin Irrit. 2 H302; H319; H335; H315</td>
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</tr>
<tr>
<td>EC No. :</td>
<td></td>
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### Component Classification

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<tr>
<th>Component</th>
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<th>Concentration</th>
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<tbody>
<tr>
<td>Phenyl ethanol</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
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<tr>
<td>CAS No. :</td>
<td>60-12-8</td>
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<tr>
<td>EC No. :</td>
<td>200-456-2</td>
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</tbody>
</table>

Refer Section 16 for complete statement of H codes & classification.

#### 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

No data available.

4.3 Indication of immediate medical attention and special treatment needed

No data available.

#### 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

Carbon oxides, Sodium oxides, Hydrogen chloride gas, Lithium oxides

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. Ensure adequate ventilation.
Evacuate personnel to safe areas.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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. 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>Appearance</td>
<td>Cream to yellow coloured may have slight greenish tinge homogeneous free flowing powder</td>
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<tr>
<td>Odour</td>
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<tr>
<td>Odour Threshold</td>
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<tr>
<td>pH</td>
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<td>Melting/freezing point</td>
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<td>Initial boiling point and boiling range</td>
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<tr>
<td>Flash point</td>
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<tr>
<td>Flammability (Solid, gas)</td>
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<td>Vapour pressure</td>
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<td>Relative density</td>
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<td>Water Solubility</td>
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<td>Partition coefficient: n-octanol/water</td>
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<td>Autoignition Temperature</td>
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<tr>
<td>Viscosity</td>
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<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
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<tr>
<td>Vapour density</td>
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<td>Thermal decomposition</td>
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<tr>
<th>9.2</th>
<th>Other safety information</th>
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<th>Stability and Reactivity</th>
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<tr>
<td>10.1</td>
<td>Reactivity</td>
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<tr>
<td>10.2</td>
<td>Chemical stability</td>
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<td></td>
<td>No data available</td>
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<tr>
<td>10.3</td>
<td>Possibility of hazardous reactions</td>
</tr>
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<td></td>
<td>No data available</td>
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<td>10.4</td>
<td>Conditions to avoid</td>
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<td></td>
<td>No data available</td>
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<td>10.5</td>
<td>Incompatible materials</td>
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<td></td>
<td>No data available</td>
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<td>10.6</td>
<td>Hazardous decomposition products</td>
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<td>Refer Section 5.2</td>
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</table>

<table>
<thead>
<tr>
<th>11</th>
<th>Toxicological Information</th>
</tr>
</thead>
</table>
| 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 available

### 11.2 Components

**Lithium chloride**

**Acute oral toxicity**
Rat LD50: 526 mg/kg (As per RTECS)

**Acute inhalation toxicity**
Rat LC50: >5.57 mg/l; 4 h; aerosol
(As per OECD Test Guideline 403)

**Acute dermal toxicity**
Rat LD50: >2.000 mg/kg
(As per OECD Test Guideline 403)

**Skin irritation**
Rabbit
Result: Irritations (As per IUCLID)

**Eye irritation**
Rabbit
Result: Eye irritation (As per IUCLID)
Germ cell mutagenicity
Genotoxicity in vitro
Ames test
Result: Negative

Additional Information:
RTECS: OJ5950000

2-Phenyl ethanol
Acute oral toxicity
Rat LD50: 2,230 mg/kg
Acute inhalation toxicity
No data available
Acute dermal toxicity
Rabbit LD50: >300-2,000 mg/kg
Skin irritation
Rabbit Result: Non Irritant
Eye irritation
Rabbit Result: Irritant
Sensitisation
Patch test
Human Result: Negative
Ames test
Result: Negative
Mutagenicity (mammal cell test)
No data available
Carcinogenicity
No data available
Toxicity to Reproduction
No data available
Teratogenicity
No data available

Additional information:
RTECS: SG7175000

12  Ecological Information
12.1  Toxicity
No data available

Components:
Lithium Chloride
Toxicity to Fish
LC50 Oncorhynchus mykiss (rainbow trout): 158 mg/l; 96 h  
(Static test, As per OECD Test Guideline 203)  
Toxicity to Daphnia  
EC50 Daphnia magna (water flea): 249 mg/l; 48 h  
(Static test, As per OECD Test Guideline 202)  
Toxicity to Algae  
EC50 Desmodesmus subsppicus (green algae): > 400 mg/l; 72 h  
(Static test, As per OECD Test Guideline 201)  
Component:  
2-Phenyl ethanol  
Toxicity to fish  
Leuciscus idus (Golden orfe) LC50: 220 - 460 mg/l; 96 h  
Toxicity to daphnia and other aquatic invertebrates  
Daphnia magna (Water flea) EC50: 287 mg/l; 48 h  
Toxicity to algae  
Desmodesmus subsppicus (green algae) IC50: 490 mg/l; 72 h  
Toxicity to bacteria  
Pseudomonas putida EC50: 1,320 mg/l; 17 h  

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 of 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
14.3 Transport hazard class(es)
ADR : Not dangerous goods
IATA_C : Not dangerous goods
IATA_P : Not dangerous goods
IMDG : Not dangerous goods
RID : Not dangerous goods

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
No data available

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>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</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>Acute Tox. dermal. 3</td>
<td>Acute toxicity, dermal, Category 3</td>
</tr>
<tr>
<td>Acute Tox.oral 4</td>
<td>Acute toxicity, oral, Category 4</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage or eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage or eye irritation, Category 2A</td>
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<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion or irritation, Category 2</td>
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<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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