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

1.1 Product Identifiers

<table>
<thead>
<tr>
<th>Product Number</th>
<th>M023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Vogel-Johnson Agar Base w/o Tellurite</td>
</tr>
<tr>
<td>REACH Registration Number</td>
<td>This product is a mixture. Reach registration number is not available for this mixture.</td>
</tr>
</tbody>
</table>

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 Acute Tox.oral 4; Eye Irrit. 2A; STOT SE 3; Skin Irrit. 2 H302; H319; H335; H315</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>7447-41-8</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>231-212-3</td>
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</table>
### Component Classification

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol red</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.01 - &lt;=0.1%</td>
</tr>
</tbody>
</table>

Refer Section 16 for complete statement of H codes and its 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, Lithium oxides, Sodium oxides, Hydrogen chloride gas

#### 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.

9 Physical and chemical properties
9.1 Information on basic physical and chemical properties

- Appearance: Light yellow to pink coloured homogeneous free flowing powder.
- Odour: No data available
- Odour Threshold: No data available
- pH: 7.00 - 7.40
- Melting/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point: 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
- Viscosity: No data available
- Explosive properties: No data available
- Oxidizing properties: 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
No data available

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
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

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### 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

Phenol Red
Acute Oral Toxicity
LD50 Rat: >600 mg/Kg
Intravenous Rat LD50: 752 mg/Kg
Intravenous Mouse LD50: 1368 mg/Kg
Inhalation:
May cause respiratory irritation.

Additional Information:
RTECS SJ7490000

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 subspicatus (green algae):
Static test > 400 mg/l; 72 h
(Static test, 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

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
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<tbody>
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#### 14.2 UN proper shipping name

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<tbody>
<tr>
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#### 14.3 Transport hazard class(es)

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</table>

#### 14.4 Packaging group

<table>
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#### 14.5 Environmental hazards

<table>
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<th>ADR</th>
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<td>No</td>
<td>No</td>
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</tr>
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</table>

#### 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>H302</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
</table>

Page 7 of 8
H315  Causes skin irritation
H319  Causes serious eye irritation
H335  May cause respiratory irritation
Acute Tox.oral 4  Acute toxicity, oral, Category 4
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
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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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.