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

1.1 Product Identifiers

Product Number  M2042
Product Name  Salmonella Selective Secondary Broth
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>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium deoxycholate</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral 4; STOT SE 3  H302; 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>Brilliant green</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.001 - &lt;=0.01%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>633-03-4</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>211-190-1</td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>497-19-8</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>207-838-8</td>
<td></td>
</tr>
<tr>
<td>Index-No :</td>
<td>011-005-00-2</td>
<td></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, nitrogen oxides (NOx), Calcium oxide, Potassium oxides

### 5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary

### 5.4 Further information
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
**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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cream to light green coloured homogenous free flowing powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

11.2 **Components**

**Sodium Deoxycholate**

**Acute Oral Toxicity**
Rat LD50: 1,370 mg/kg (As Per RTECS)
Rat Intraperitoneal LD50: 123 mg/kg
Rat Subcutaneous LD50: 2,430 mg/kg

**Additional Information:**
RTECS FZ2250000
Brilliant Green
*Acute oral toxicity*
Rat LD50: 410 mg/kg.
*Subacute to chronic toxicity*
Target organs: respiratory system, gastrointestinal, eyes and skin.
*Acute inhalation toxicity*
Symptoms: Possible damages; mucosal irritations
*Acute dermal toxicity*
No Data Available
*Skin irritation*
Rabbit Result: slight irritation
*Eye irritation*
Rabbit Result: Eye irritation
Causes serious eye irritation.
*Sensitisation*
No Data Available

**Additional Information:**
RTECS: BP6825000

Sodium carbonate
*Acute Oral Toxicity*
Rat LD50: 4090 mg/kg
*Acute inhalation toxicity*
Rat LC50: 5750 mg/l; 2 h

**Additional information**
RTECS: VZ4050000

### 12 Ecological Information
#### 12.1 Toxicity
No data available

**Components**

**Sodium deoxycholate**
*Toxicity to Fish*
Oryzias latipes LC50: 115 mg/l; 48 h

**Components:**

**Sodium carbonate**
*Toxicity to fish*
Lepomis macrochirus (bluegill) LC50: 300 mg/l; 96 h
*Toxicity to daphnia*
Daphnia magna (water flea) EC50: 265 mg/l; 48 h
Daphnia magna (water flea) EC50: 265 mg/l; 72 h

#### 12.2 Persistence and degradability
No data available

#### 12.3 Bioaccumulative potential
No data available

#### 12.4 Mobility in soil
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**
No data available

16 **Other information**
H302  Harmful if swallowed
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
STOT SE 3  Specific target organ toxicity, single exposure, Respiratory tract
irritation, Category 3

Further Information

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