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

1.1 Product Identifiers
Product Number: M052
Product Name: Selenite Broth (Selenite F Broth)(Twin Pack)
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]
Acute toxicity, Oral, (Category 3), H301
Aspiration hazard, (Category 1), H304
Acute toxicity, Inhaled, (Category 3), H331
Specific target organ toxicity, repeated exposure, (Category 2), H373
Hazardous to the aquatic environment, long term hazard, (Category 1), H410

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word: Danger
Hazard Statement(s)
H301  Toxic if swallowed
H304  May be fatal if swallowed and enters airways
H331  Toxic if inhaled
H373  May cause damage to organs through prolonged or repeated exposure
H410  Very toxic to aquatic life with long lasting effects
Precautionary Statement(s)

P309+P310 If exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.

P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P273 Avoid release to the environment.

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 hydrogen selenite (Part B)</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral. 3; Acute Tox. inhal. 3; STOT RE 2; Aquatic Chronic 1 H301; H331; H373; H410</td>
<td>&gt;=90 - &lt;=100%</td>
</tr>
<tr>
<td>CAS No. : 7782-82-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No. : 231-966-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index-No : 034-002-00-8</td>
<td></td>
<td></td>
</tr>
</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 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
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, Selenium oxides, Oxides of phosphorus

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 absorbent material. 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.

---

### 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><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td>Part A: White to light yellow homogeneous free flowing powder.</td>
<td></td>
</tr>
<tr>
<td>Part B: White to cream crystalline powder.</td>
<td></td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Odour Threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6.80 - 7.20</td>
</tr>
<tr>
<td><strong>Melting/freezing point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability (Solid, gas)</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Thermal decomposition</strong></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.

    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 Hydrogen Selenite (Sodium Biselenite)

*Acute oral toxicity*
LD50 Rat: 2.5 mg/kg (As per RTECS)
LD50 Rabbit: 8.6 mg/kg (As per RTECS)

*Acute dermal toxicity*
No data available

*Acute inhalation toxicity*
Toxic if inhaled

*Specific Target Organ Toxicity - Single exposure*
No data available

*Specific Target Organ Toxicity - Repeated exposure*
May cause damage to organs through prolonged and repeated exposures.

Effects Respiratory system, lungs, Skin, central nervous system
Central vascular system, Gastrointestinal tract.

Additional information
RTECS number: VS7500000

12 Ecological Information

12.1 Toxicity
No data available

Components:
Sodium Hydrogen Selenite (Sodium Biselenite)

*Toxicity to fish*
Oncorhyncus mykiss (rainbow trout) LC50: 8.1 mg/l; 96h

*Toxicity to Daphnia*
Daphnia magna (Water flea) EC50: 7.9 mg/l; 48h

*Toxicity to Algae*
Pseudokirchneriella subcapitata(green algae) IC50:96.6 mg/l;72h

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 preparation contains no substance considered to be persistent, bioaccumulating or 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 disposal 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 : 2630 ADR : 2630 IATA_C : 2630 IATA_P : 2630 IMDG : 2630 RID : 2630

14.2 UN proper shipping name
ADNR : Selenate or Selenite
ADR : Selenate or Selenite
IATA_C : Selenate or Selenite
IATA_P : Selenate or Selenite
IMDG : Selenate or Selenite
RID : Selenate or Selenite

14.3 Transport hazard class(es)

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
This safety datasheet 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
Text of H codes and classification mentioned in section 3
H301 Toxic if swallowed
H331 Toxic if inhaled
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects
Acute Tox. inhal. 3 Acute toxicity, inhaled, Category 3
Acute Tox.oral. 3 Acute toxicity, oral, Category 3
Aquatic Chronic 1  Hazardous to the aquatic environment, long term hazard, Category 1
STOT RE 2  Specific target organ toxicity, repeated exposure, Category 2

Further Information

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