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

1.1 Product Identifiers

Product Number: M1212
Product Name: Bromo Cresol Purple Azide 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]
Hazardous to the aquatic environment, long term hazard, (Category 3), H412

2.2 Label elements

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

Signal word: None
Hazard Statement(s): H412 Harmful to aquatic life with long lasting effects
Precautionary Statement(s): 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 azide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CAS No. : 26628-22-8  
EC No. : 247-852-1  
**As Per EC Regulation 1272/2008**  
Acute Tox. oral. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1  
H300; H310; H400; H410  
>=1.0 - <=10.0%

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromocresol purple</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 & 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, nitrogen oxides (NOx), Hydrogen chloride gas, Sodium oxides, Oxides of phosphorus, Potassium 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 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.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light Yellow to beige coloured homogeneous free flowing powder.</td>
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<tr>
<td>Odour</td>
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<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.80 - 7.20</td>
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<tr>
<td>Melting/freezing point</td>
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</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
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</tr>
<tr>
<td>Flammability (Solid, gas)</td>
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<tr>
<td>Vapour pressure</td>
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<tr>
<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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<tr>
<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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</tr>
<tr>
<td>Thermal decomposition</td>
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</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

Strong oxidizing agents

#### 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

**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

**Sodium azide**

*Acute oral toxicity*
Rat LD50: 27mg/kg (As per RTECS)

*Acute dermal toxicity*
LD50 Rabbit: 20mg/kg (As per RTECS)

**Additional Information:**
RTECS : VY8050000

**Bromocresol purple**

*Acute oral toxicity*
No data available
**Acute inhalation toxicity**  
May cause respiratory irritation

**Acute dermal toxicity**  
No data available

**Skin irritation**  
May cause skin irritation

**Eye irritation**  
May cause eye irritation

**Sensitisation**  
No data available

**Genetic toxicity (in-vitro)**  
No data available

**Genetic toxicity (in-vivo)**  
No data available

**Carcinogenicity**  
No data available

**Toxicity to Reproduction**  
No data available

**Teratogenicity**  
No data available

**Additional information:**  
RTECS: No data available

---

### Ecological Information

**12.1 Toxicity**

No data available

**Components:**

**Sodium azide**

**Toxicity to fish**

LC50 *Lepomis macrochirus* (Bluegill sunfish): 0.7 mg/l; 96 h

**Toxicity to *Daphnia***

EC50 *Daphnia pulex* (Water flea): 4.2 mg/l; 48 h

**Toxicity to algae**

IC50 mixed culture of green algae: 272 mg/l

**Toxicity to bacteria**

EC50 *Photobacterium phosphoreum*: 38.5 mg/l

**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**
Discharge into the environment must be avoided.

### 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

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
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<tbody>
<tr>
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<td>No</td>
<td>No</td>
<td>No</td>
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</table>

#### 14.2 UN proper shipping name

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<th>ADR</th>
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<tbody>
<tr>
<td>Not dangerous goods</td>
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<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
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</table>

#### 14.3 Transport hazard class(es)

<table>
<thead>
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<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
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</tbody>
</table>

#### 14.4 Packaging group

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
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<tr>
<td></td>
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</table>

#### 14.5 Environmental hazards

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<th>ADNR</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA_C</th>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
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</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>H300</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal if swallowed</td>
<td></td>
</tr>
</tbody>
</table>
H310  Fatal in contact with skin
H315  Causes skin irritation
H319  Causes serious eye irritation
H335  May cause respiratory irritation
H400  Very toxic to aquatic life
H410  Very toxic to aquatic life with long lasting effects
Acute Tox. 1  Acute toxicity, dermal, Category 1
Acute Tox. oral. 2  Acute toxicity, oral, Category 2
Aquatic Acute 1  Hazardous to the aquatic environment, acute hazard, Category 1
Aquatic Chronic 1  Hazardous to the aquatic environment, long term hazard, Category 1
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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