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

1.1  Product Identifiers

Product Number  M1119
Product Name  M-Azide Broth 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

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>
<tr>
<td>CAS No. :</td>
<td>26628-22-8</td>
<td>EC No. :</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 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), Oxides of phosphorus, Sodium oxides, 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

Appearance: Cream to yellow coloured homogeneous free flowing powder

Odour: No data available

Odour Threshold: No data available

pH: 6.90 - 7.30

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

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

### 12 Ecological Information

#### 12.1 Toxicity
No data available

**Components:**

**Sodium azide**

**Toxicity to fish**
LC50 Lepomis macrochirus (Bluegil 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**

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 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

H300  Fatal if swallowed
H310  Fatal in contact with skin
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

Further Information

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