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

### 1.1 Product Identifiers

| | |
|---|---|
| Product Number | MV510 |
| Product Name | Kanamycin Esculin Azide HiVeg™ Agar |
| 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 | C - 40,Road No.21Y,MIDC, Wagle Industrial Area, Thane(W), - 400 604, India | | |
| Tel. No. | +91-22- 6147 1919/6116 9797 | Fax No. | : +91-22- 61471920 |
| 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

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## 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

| Component | Classification | Concentration |
|---|---|---|
| Sodium azide | | |

| | | |
|---|---|---|
| CAS No. : 26628-22-8<br>EC No. : 247-852-1 | **As Per EC Regulation 1272/2008**<br>Acute Tox.oral. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H300; H310; H400; H410 | >=0.1 - <=1.0% |

| Component | | Classification | Concentration |
|---|---|---|---|
| Kanamycin sulphate | | | |
| CAS No. :<br>EC No. : | 25389-94-0<br>246-933-9 | **As Per EC Regulation 1272/2008**<br>Repr. 1B H360 | >=1.0 - <=10.0% |

| Component | | Classification | Concentration |
|---|---|---|---|
| Ferric ammonium citrate | | | |
| CAS No. :<br>EC No. : | 1185-57-5<br>214-686-6 | **As Per EC Regulation 1272/2008**<br>Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335 | >=0.01 - <=0.1% |

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, 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

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## 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.

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## 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 saftey 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 coloured, may have slightly greenish tinge homogeneous free flowing powder |
| Odour | No data available |
| Odour Threshold | No data available |
| pH | 6.80 - 7.20 |
| 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

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## 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. Other Decomposition products not known.

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**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 **:** No data 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

**Ferric ammonium citrate**
*Acute Oral Toxicity*
RatLD50: >2000 mg/kg
*Acute Potential Health Effects*
*Skin*
Contact may cause irritation or rash, particularly with moist skin.
*Eyes*
May cause eye irritation with redness, tearing, and abrasion.
*Inhalation*
Inhalation of high concentrations of dust may cause nasal, throat or lung irritation. Symptoms may include coughing and wheezing.
*Ingestion*
Ingestion can produce gastrointestinal tract irritation with hyper motility, diarrhea.

*Chronic Potential Health Effects*
*Eyes*
Prolonged eye contact may cause a brownish discoloration of the eyes.
*Skin*
Prolonged skin contact may cause skin irritation.

**Additional information:**
**RTECS**: GE7540000
**Kanamycin sulphate**
*Acute Oral Toxicity*
Rat LD50 : >4 gram/kg
Mouse LD50: 17.5g/kg
Rabbit LD50: > 3 g/kg
*Acute Intravenous Toxicity*
Rat LD50: 225 mg/kg
Mouse LD50: 240 mg/kg,
Rabbit LD50: 550 mg/kg
*Acute Dermal Toxicity*
Rat LD50 : 1700 mg/kg,
Mouse LD50: 1100 mg/kg,
Rabbit LD50 : > 3000 mg/kg
*Acute Inhalation Toxicity*
Rat LD50 : 17500 mg/kg,
Rabbit LD50 : > 3000 mg/kg
*Acute Intraperitoneal Toxicity*
Rat LD50: 3200 mg/kg,
Mouse LD50: 1353 mg/kg,
*Acute Intramuscular Toxicity*
Rat LD50 : >4 gram/kg

Mouse LD50 : 1190 mg/kg
Rabbit LD50 : > 3000 mg/kg

**Additional Information**
RTECS: NZ3225030

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## 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

### 12.5 PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

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## 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

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**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

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**16 Other information**

Text of H codes and classification mentioned in section 3

| | |
|---|---|
| H300 | Fatal if swallowed |
| H310 | Fatal in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H360 | May damage fertility or the unborn child |
| 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 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| 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**

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.