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

## 1.1 Product Identifiers

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>MV569</td>
</tr>
<tr>
<td>Product Name</td>
<td>Listeria Enrichment HiVeg Broth (Twin pack)</td>
</tr>
<tr>
<td>REACH Registration Number</td>
<td>This product is a mixture. Reach registration number is not available for this mixture.</td>
</tr>
</tbody>
</table>

## 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.: +91-22-2500 2468
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 4), H302
- Acute toxicity, Dermal, (Category 4), H312
- Acute toxicity, Inhaled, (Category 4), H332
- Hazardous to the aquatic environment, long term hazard, (Category 3), H412

## 2.2 Label elements

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

- **Pictogram**: ![Warning]
- **Signal word**: Warning
- **Hazard Statement(s)**
  - H302: Harmful if swallowed
  - H312: Harmful in contact with skin
  - H332: Harmful if inhaled
  - H412: Harmful to aquatic life with long lasting effects
- **Precautionary Statement(s)**
P273  Avoid release to the environment.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352  IF ON SKIN: wash with plenty of soap and water.

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>Acriflavine hydrochloride</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.01 - &lt;=0.1%</td>
</tr>
<tr>
<td>CAS No. : 8063-24-9</td>
<td>Acute Tox. oral 4; Eye Dam. 1; Aquatic Chronic 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H302; H318; H411</td>
<td></td>
</tr>
<tr>
<td>Potassium thiocyanate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=10.0 - &lt;=100%</td>
</tr>
<tr>
<td>CAS No. : 333-20-0</td>
<td>Acute Tox. oral 4; Acute Tox. dermal. 4; Acute Tox.</td>
<td></td>
</tr>
<tr>
<td>EC No. : 206-370-1</td>
<td>inhal. 4; Aquatic Chronic 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H302; H312; H332; H412</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 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, Sulphur oxides, Hydrogen chloride gas, 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 2-8°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>Part A (Part B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Cream to yellow homogeneous 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>7.20 - 7.60</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
Strong oxidizing agents

10.6 Hazardous decomposition products
Refer Section 5.2. Other Decomposition products not known.

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
11.2 Components

Potassium thiocyanate

Oral, mouse: LD50 = 594 mg/kg;
Oral, mouse: LD50 = 590 mg/kg;
Oral, rat: LD50 = 854 mg/kg;
Human oral TDLo: 428 mg/kg
Human oral LDLo: 80 mg/kg,
Rabbit oral LDLo: 500 mg/kg
Guinea pig oral LDLo: 600 mg/kg;
Frog oral LDLo: 300 mg/kg.

Acriflavine Hydrochloride

Acute Toxicity
LD50 Oral Rat: 1,048 mg/kg
Skin corrosion/Irritation
Skin-Rabbit
Result: No irritation
Serious eye damage/eye irritation
Eyes-Rabbit
Result: Irritation
Causes serious eye irritation

Additional information
RTECS: No data available
Causes cardiovascular effects, Central nervous system depression, Respiratory disorders

12 Ecological Information

12.1 Toxicity
No data available

Components
Acriflavine hydrochloride

Toxicity to Fish
Leuciscus idus (Golden orfe) LC50 : 1 - 10 mg/l; 48 h
Bluegill/Sunfish LC50: 13.5 mg/l; 48 h
Rainbow trout LC50: 19.9 mg/l; 48 h

Component: Potassium thiocyanate
LC50 Oncorhynchus mykiss (rainbow trout): 11 mg/l; 96 h
EC50 Daphnia magna (Water flea): 2.8 mg/l; 96 h

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 : 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

H302 Harmful if swallowed
H312 Harmful in contact with skin
H318 Causes serious eye damage
H332 Harmful if inhaled
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects
Acute Tox. dermal. 4 Acute toxicity, dermal, Category 4
Acute Tox. inhal. 4 Acute toxicity, inhaled, Category 4
Acute Tox. oral 4 Acute toxicity, oral, Category 4
Aquatic Chronic 2 Hazardous to the aquatic environment, long term hazard, Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment, long term hazard, Category 3
Eye Dam. 1 Serious eye damage or eye irritation, Category 1

Further Information

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