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

1.1 Product Identifiers

Product Number
M010

Product Name
Alternative Thioglycollate Medium (NIH Thioglycollate Broth)
(Thioglycollate Broth, Alternative)

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]
Sensitisation, Skin, (Category 1), H317

2.2 Label elements

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

Pictogram
Signal word Warning

Hazard Statement(s)

H317 May cause an allergic skin reaction

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

2.3 Other Hazards
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 thioglycollate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td></td>
<td>Acute Tox.oral. 3; Skin Sens. 1 H301; H317</td>
<td></td>
</tr>
<tr>
<td>CAS No. :</td>
<td>367-51-1</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>206-696-4</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

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

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
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.

   **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 Thioglycollate**
   
   **Acute oral toxicity**
   Rat LD50: 50-200 mg/kg (As per OECD Test Guideline 423)
   
   **Acute dermal toxicity**
   Rat LD50: >1000-2000 mg/kg (As per OECD Test Guideline 402)
   
   **Skin irritation**
   Rabbit: Slight irritation (As per OECD Test Guideline 404)
   
   **Eye irritation**
   Rabbit: Slight irritation (As per OECD Test Guideline 405)
   
   **Sensitization**
   Local Lymph Node Assay (LLNA)
Mouse: Positive (As per OECD Test Guideline 429)

*Germ cell mutagenicity*

*Genotoxicity in vivo*
In vivo micronucleus test: Mouse (male & female)
Oral Result: Negative method (As per OECD Test Guideline 474)

*Genotoxicity in vitro*
Ames Test: *Salmonella* Typhimurium
Result: Negative (As per OECD Test Guideline 471)

**Additional information:**
RTECS: AI7700000

---

12  **Ecological Information**

12.1 **Toxicity**
No data available

**Components**

*Sodium thioglycollate*

*Toxicity to fish*
Oncorhynchus mykiss (rainbow trout) LC50: > 100 mg/l; 96 h
(As per OECD Test Guideline 203)

*Toxicity to daphnia and other aquatic invertebrates*
Daphnia magna (Water flea) EC50: 38 mg/l; 48 h
(As per OECD Test Guideline 202)

*Toxicity to algae*
Desmodesmus subspicatus (green algae) EC50: > 100 mg/l; 72 h
(As per OECD Test Guideline 201)

*Toxicity to bacteria*
EC50 Activated sludge: 820 mg/l; 0.5 h
(As per OECD Test Guideline 209)

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**
No data available

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**

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
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14.2 **UN proper shipping name**

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</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
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<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
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14.3 **Transport hazard class(es)**

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<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
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<td>-</td>
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</table>

14.4 **Packaging group**

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<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
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</table>

14.5 **Environmental hazards**

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<th>IMDG</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>RID</th>
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<tbody>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
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</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>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Acute Tox.oral. 3</td>
<td>Acute toxicity, oral, Category 3</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation, Skin, Category 1</td>
</tr>
</tbody>
</table>

**Further Information**

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