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

1.1 Product Identifiers
Product Number  M1388
Product Name  HC Agar 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]
Carcinogenicity, (Category 1A), H350

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

Pictogram
Signal word  Danger
Hazard Statement(s)
H350  May cause cancer
Precautionary Statement(s)
P201  Obtain special instructions before use.
P308 + P313  IF exposed or concerned: Get medical advice/attention.

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>Ammonium chloride</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td>CAS No. : 12125-02-9</td>
<td>Acute Tox. oral 4; Eye Irrit. 2A H302; H319</td>
<td></td>
</tr>
<tr>
<td>Index-No : 017-014-00-8</td>
<td>Xn; Xi R22; R36</td>
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<thead>
<tr>
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<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
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<tr>
<td>CAS No. : 497-19-8</td>
<td>Eye Irrit. 2A H319</td>
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<tr>
<td>EC No. : 207-838-8</td>
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<tr>
<td>Index-No : 011-005-00-2</td>
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</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloramphenicol</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td>CAS No. : 56-75-7</td>
<td>Carc. 1B H350</td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-287-4</td>
<td></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, 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 15-25°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**: Pale yellow to beige 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
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
       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 SEC 2
       Skin
       REFER SEC 2
       Eyes
       REFER SEC 2
       Ingestion
       REFER SEC 2
11.2 Components

**Ammonium Chloride**

*Acute Oral Toxicity*
Rat LD50: 1,650 mg/kg

*Irritation and corrosion*
Skin - rabbit - No skin irritation
Eyes - rabbit - Eye irritation
Sensitisation - Non sensitizer

*Chronic exposure*
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.

*Signs and Symptoms of Exposure*
No data available

*Potential Health Effects*

**Inhalation**
May be harmful if inhaled. May cause respiratory tract irritation.

**Skin**
May be harmful if absorbed through skin. May cause skin irritation.

**Eyes**
Causes eye irritation.

**Ingestion**
Harmful if swallowed

**Sodium carbonate**

*Acute Oral Toxicity*
Rat LD50: 4090 mg/kg

*Acute inhalation toxicity*
Rat LC50: 5750 mg/l; 2 h

**Additional information**
RTECS: VZ4050000

**Chloramphenicol**

*Acute oral Toxicity*
Rat LD50: 2.500 mg/kg
Rat Intraperitoneal LD50: 1.811 mg/kg
Mouse Intraperitoneal LD50: 1.100 mg/kg

*Respiratory or skin sensitization*
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

*Germ Cell Mutagenicity*
Lab experiments have shown mutagenic effects.
Classified by IARC as Group 2A probable carcinogen to humans

*Reproductive toxicity*
May cause congenital malformation in the fetus.

**Additional Information**
RTECS: AB68250000
12 **Ecological Information**

12.1 **Toxicity**

No data available

**Components**

**Ammonium chloride**

*Toxicity to fish*

Oncorhynchus mykiss (rainbow trout) LC50: 42.91 mg/l; 96 h (AS per ECHA)

Cyprinus carpio (Carp) LC50: 209.00 mg/l; 96 h

Lepomis macrochirus (Bluegill sunfish) EC10: 4.28 mg/l; 30 d (As per ECHA)

*Toxicity to daphnia and other aquatic invertebrates*

Daphnia magna (Water flea) EC50: > 100 mg/l; 48 h (As per ECHA)

Daphnia magna (Water flea) LC50: 161 mg/l - 48 h

*Toxicity to algae*

Chlorella vulgaris (Fresh water algae) EC50: 1,300 mg/l; 5 d (As per ECHA)

*Toxicity to bacteria*

EC50 activated sludge: 1,310 mg/l; 0.5 h (OECD Test Guideline 209)

**Components:**

**Sodium carbonate**

*Toxicity to fish*

Lepomis macrochirus (bluegill) LC50: 300 mg/l; 96 h

*Toxicity to daphnia*

Daphnia magna (water flea) EC50: 265 mg/l; 48 h

Daphnia magna (water flea) EC50: 265 mg/l; 72 h

**Components:**

**Chloramphenicol**

*Toxicity to Daphnia and other aquatic invertebrates*

Daphnia magna (Water flea) EC50: 345 mg/l; 48 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**

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
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
H319 Causes serious eye irritation
H350 May cause cancer
Acute Tox.oral 4 Acute toxicity, oral, Category 4
Carc. 1B Carcinogenicity, Category 1B
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A
R22  Harmful if swallowed.
R36  Irritating to eyes.
Xi  Irritant
Xn  Harmful

Further Information

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