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

1.1 Product Identifiers
Product Number: M293
Product Name: Sellers Differential 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: 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]
Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008
The product does not need to be labelled in accordance with EC directives or respective national laws.

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 nitrate</td>
<td>As Per EC Regulation 1272/2008 Ox. Sol. 3; Acute Tox. oral 4; Skin Irrit. 2;</td>
<td>&gt;=1.0 - &lt;=10.0%</td>
</tr>
<tr>
<td>CAS No.:</td>
<td>Eye Irrit. 2A; STOT SE 3 H272; H302; H315; H319; H335</td>
<td></td>
</tr>
<tr>
<td>EC No.:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 off with soap and plenty of 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), Sodium oxides, Hydrogen chloride gas, Magnesium oxide,
   Potassium oxides, Oxides of phosphorus, Sulphur oxides
5.3  Precautions for fire-fighters
   Wear self-contained breathing apparatus for fire fighting if necessary
5.4  Further information
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 adsorbent material and dispose of as hazardous waste. 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
**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 to pink coloured homogeneous free flowing powder
- **Odour**: No data available
- **Odour Threshold**: No data available
- **pH**: 6.50 - 6.90
- **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
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 nitrate

Acute Oral Toxicity
Mouse LD50: 3500 mg/kg
Rabbit LD50: 2680 mg/kg
Rat LD50: 1267 mg/kg

Acute Inhalation Toxicity
Rat LC50: 5.5 mg/l; 4 h
**Additional Information**

RTECS: WC5600000

**Phenol Red**

*Acute Oral Toxicity*

LD50 Rat: >600 mg/Kg

Intravenous Rat LD50: 752 mg/Kg

Intravenous Mouse LD50: 1368 mg/Kg

*Inhalation:*

May cause respiratory irritation.

**Additional Information:**

RTECS SJ7490000

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**12** Ecological Information

**12.1** Toxicity

No data available

**Components**

**Sodium nitrate**

*Toxicity to Fish*

Oncorhynchus mykiss LC50: 994.4 - 1107 mg/L; 96h

Lepomis macrochirus LC50: 2000 mg/L; 96h

**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 substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.

**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 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 data sheet 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

H272 May intensify fire; oxidizer
H301 Toxic if swallowed
H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
Acute Tox.oral 4 Acute toxicity, oral, Category 4
Acute Tox.oral. 3 Acute toxicity, oral, Category 3
Aquatic Acute 1 Hazardous to the aquatic environment, acute hazard, Category 1
Eye Irrit. 2A Serious eye damage or eye irritation, Category 2A
Ox. Sol. 3 Oxidising solids, Category 3
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

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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.