Section 1  Product Description

Product Name: Levine Eosin Methylene Blue Agar, Dehydrated
Recommended Use: Science education applications
Synonyms: Levine EMB Agar, Dehydrated
Distributor: Carolina Biological Supply Company
2700 York Road, Burlington, NC 27215
1-800-227-1150

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2  Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER

Causes skin irritation. Causes serious eye damage.

GHS Classification:
Serious Eye Damage/Eye Irritation Category 1, Skin Corrosion/Irritation Category 2

Acute Toxicity Oral Contains: 32.2 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Dermal Contains: 100 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3  Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agar</td>
<td>9002-18-0</td>
<td>40</td>
</tr>
<tr>
<td>Pancreatic Digest of Gelatin</td>
<td>N/A</td>
<td>26.7</td>
</tr>
<tr>
<td>Lactose</td>
<td>63-42-3</td>
<td>26.7</td>
</tr>
<tr>
<td>Potassium Phosphate, Dibasic</td>
<td>7758-11-4</td>
<td>5.3</td>
</tr>
<tr>
<td>Eosin Y, Yellowish</td>
<td>17372-87-1</td>
<td>1.1</td>
</tr>
<tr>
<td>Methylene Blue Chloride</td>
<td>61-73-4</td>
<td>0.2</td>
</tr>
</tbody>
</table>

Section 4  First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5  Firefighting Procedures

Extinguishing Media: Use media suitable to extinguish surrounding fire.
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Safety Data Sheet

Levine Eosin Methylene Blue Agar, Dehydrated

Warning: Only for professional or trained persons.

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled:
Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up. Ventilate the contaminated area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Avoid creating dusts. Cover material with absorbent and moisten and collect for disposal.

Section 7 Handling and Storage

Handling: Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid creating and inhaling dust.

Storage: Keep container tightly closed in a cool, well-ventilated place.

Storage Code: White - Corrosive. Separate acids from bases; separate oxidizer acids from organic acids.

Section 8 Protection Information

Control Parameters

Chemical Name: Methylene Blue Chloride

ACGIH

OSHA PEL

(TWA) N/A (TWA) N/A

(STEL) N/A (STEL) N/A

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Engineering Measures:
Lab coat, apron, eye wash, safety shower.

Personal Protective Equipment (PPE):

Respiratory Protection: No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

Respirator Type(s): NIOSH approved air purifying respirator with dust/mist filter.

Eye Protection: Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Nitrile

Section 9 Physical Data

Formula: See Section 3
Molecular Weight: N/A
Appearance: Grey Off-white to tan Powder
Odor: No data available
Odor Threshold: No data available
pH: No data available
Melting Point: No data available
Boiling Point: No data available
Flash Point: No data available
Flammable Limits in Air: N/A

Vapor Pressure: N/A
Evaporation Rate (BuAc=1): N/A
Vapor Density (Air=1): N/A
Specific Gravity: N/A
Solubility in Water: Soluble
Log Pow (calculated): No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Percent Volatile by Volume: N/A

Section 10 Reactivity Data

Reactivity: No data available
Chemical Stability: Stable under normal conditions.
### Conditions to Avoid:
None known.

### Incompatible Materials:
Strong oxidizing agents, Strong acids

### Hazardous Decomposition Products:
Carbon oxides, Chlorine containing gases, K2O - Potassium Oxide,
Potassium Oxide

### Hazardous Polymerization:
Will not occur

#### Section 11  Toxicity Data

<table>
<thead>
<tr>
<th>Routes of Entry</th>
<th>Inhalation and ingestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms (Acute)</td>
<td>N/A</td>
</tr>
<tr>
<td>Delayed Effects</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### Acute Toxicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agar</td>
<td>9002-18-0</td>
<td>Oral LD50 Mouse 16000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lactose</td>
<td>63-42-3</td>
<td>Oral LD50 Rat &gt; 10000 mg/kg</td>
<td>Oral LD50 Mouse 2344 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Eosin Y, Yellowish</td>
<td>17372-87-1</td>
<td>Oral LD50 Mouse 1180 mg/kg</td>
<td>Oral LD50 Mouse 3500 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Methylene Blue Chloride</td>
<td>61-73-4</td>
<td>Oral LD50 Rat 1180 mg/kg</td>
<td>Oral LD50 Mouse 3500 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

#### Carcinogenicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Blue Chloride</td>
<td>61-73-4</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

#### Chronic Effects:

- **Mutagenicity:** No evidence of a mutagenic effect.
- **Teratogenicity:** No evidence of a teratogenic effect (birth defect).
- **Sensitization:** No evidence of a sensitization effect.
- **Reproductive:** No evidence of negative reproductive effects.

#### Target Organ Effects:

- **Acute:** See Section 2
- **Chronic:** N/A

#### Section 12  Ecological Data

- **Overview:** This material is not expected to be harmful to the ecology.
- **Mobility:** No data
- **Persistence:** Adsorbs to soil.
- **Bioaccumulation:** No data
- **Degradability:** No data
- **Other Adverse Effects:** No data

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Section 13  Disposal Information

- **Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
- **Waste Disposal Code(s):** Not Determined

#### Section 14  Transport Information

- **Ground - DOT Proper Shipping Name:** Not Regulated for Transport
- **Air - IATA Proper Shipping Name:** Not regulated for air transport by IATA.
### Section 15  
**Regulatory Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>§ 313 Name</th>
<th>§ 304 RQ</th>
<th>CERCLA RQ</th>
<th>§ 302 TPQ</th>
<th>CAA 112(2) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene Blue Chloride</td>
<td>61-73-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**TSCA Status:** All components in this product are on the TSCA Inventory.

**California Prop 65:** No California Proposition 65 ingredients

### Section 16  
**Additional Information**

Revised: 08/21/2018  
Replaces: 06/15/2018  
Printed: 08-25-2018

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

<table>
<thead>
<tr>
<th>Glossary</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service Number</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act</td>
</tr>
<tr>
<td>DOT</td>
<td>U.S. Department of Transportation</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>N/A</td>
<td>Not Available</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>ppm</td>
<td>Parts per million</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>IDLH</td>
<td>Immediately dangerous to life and health</td>
</tr>
</tbody>
</table>