# Safety Data Sheet

# Levine Eosin Methylene Blue Agar, Dehydrated

CAROLINA®
www.carolina.com

## 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<br>2700 York Road, Burlington, NC 27215<br>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

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

## 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. |

**Fire and/or Explosion Hazards:** N/A
**Hazardous Combustion Products:** Potassium Oxide, K2O - Potassium Oxide,, Chlorine containing gases, Carbon oxides

## 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

| | ACGIH | | OSHA PEL | |
|---|---|---|---|---|
| **Chemical Name** | **(TWA)** | **(STEL)** | **(TWA)** | **(STEL)** |
| Methylene Blue Chloride | N/A | N/A | N/A | N/A |

**Control Parameters**
**Engineering Measures:** 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.
**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.
**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

**Routes of Entry** Inhalation and ingestion.
**Symptoms (Acute):** N/A
**Delayed Effects:** No data available

**Acute Toxicity:**

| Chemical Name | CAS Number | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|---|
| Agar | 9002-18-0 | Oral LD50 Mouse 16000 mg/kg | | |
| Lactose | 63-42-3 | Oral LD50 Rat > 10000 mg/kg | | |
| Eosin Y, Yellowish | 17372-87-1 | Oral LD50 Mouse 2344 mg/kg | | |
| Methylene Blue Chloride | 61-73-4 | Oral LD50 Rat 1180 mg/kg<br>Oral LD50 Mouse 3500 mg/kg | | |

**Carcinogenicity:**

| Chemical Name | CAS Number | IARC | NTP | OSHA |
|---|---|---|---|---|
| Methylene Blue Chloride | 61-73-4 | Not listed | Not listed | Not listed |

**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

| Chemical Name | CAS Number | Eco Toxicity |
|---|---|---|
| N/A | | |

## 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

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

| Chemical Name | CAS Number | § 313 Name | § 304 RQ | CERCLA RQ | § 302 TPQ | CAA 112(2) TQ |
|---|---|---|---|---|---|---|
| Methylene Blue Chloride | 61-73-4 | No | No | No | No | No |

**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.

**Glossary**

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