

## **MATERIAL SAFETY DATA SHEET**

METHYLENE BLUE AGAR  
CAROLINA BIOLOGICAL

Revised: 05/15/08  
Replaces: 07/10/07  
Printed: 05/20/08

---

### **1. PRODUCT DESCRIPTION**

Product Name: Levine Eosin Methylene Blue Agar  
Product Code(s): 15-4718, 15-4719, 77-3460, 77-6200, 82-1520, 82-1660  
Size: Various  
Chemical Name: None  
CAS Number: None  
Formula: See section 2  
Synonyms: None known  
Distributor: Carolina Biological Supply Company  
2700 York Road  
Burlington, NC 27215

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

### **2. COMPOSITION/INFORMATION ON INGREDIENTS.**

Material is not considered hazardous under the OSHA Hazard Communication Standard.

Principal Component: Agar(CAS# 9002-18-0) 1.5%  
TLV and PEL units:

ACGIH-TLV: N/A  
OSHA-PEL: N/A

### **3. HAZARD IDENTIFICATION**

Emergency Overview: Avoid contact with eyes, skin. and clothing.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

### **4. FIRST AID MEASURES**

Emergency and First Aid Procedures:

Eyes - Wash thoroughly with water. Get medical attention if irritation persists.

Skin - Wash with soap and water. Get medical attention if irritation persists.

Ingestion - Give plenty of water. Get medical attention if discomfort persists.

Inhalation - Remove to fresh air. Get medical attention if irritation persists.

### **5. FIREFIGHTING PROCEDURES**

Flash Point(Method Used): None

NFPA Rating: Health: 0

Fire: 1

Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None known

## **MATERIAL SAFETY DATA SHEET**

METHYLENE BLUE AGAR  
CAROLINA BIOLOGICAL

Revised: 05/15/08  
Replaces: 07/10/07  
Printed: 05/20/08

---

### **6. SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled: This material may be swept up and disposed of in normal laboratory trash. After initial cleanup, wash area with soap and water.

### **7. SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling or Storing: Good personal hygiene should be practiced. Individuals with known or suspected allergies should advise physician of any exposure to antibiotic-treated media. Other Precautions: None

### **8. SPECIAL PROTECTION INFORMATION**

Respiratory Protection(Specify Type): None required under normal conditions of use.

Ventilation: Not required under normal product usage.

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

### **9. PHYSICAL DATA**

Molecular Weight:	Does not apply. Product is a mixture.
Melting Point:	Decomposes
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density(Air=1):	N/A
Specific Gravity(H2O=1):	N/A
Percent Volatile by Volume:	0
Evaporation Rate(H2O=1):	N/A
Solubility in Water:	Slowly soluble in hot water; insoluble in cold. Agar is typically dissolved at 1-2% then cooled to form gel.
Appearance and Odor:	Light lavender gel

### **10. REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: N/A

Incompatibility(Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

### **11. TOXICITY DATA**

Toxicity Data: For agar: orl-rat LD50: 11 g/kg

Effects of Overexposure:

Acute: See section 3

Chronic: No chronic effects identified. Not listed as cancer causing by IARC, NTP, or OSHA.

Conditions Aggravated by Overexposure: N/A

Target Organs: N/A

Primary Route(s) of Entry: Inhalation, ingestion

### **12. ECOLOGICAL DATA**

EPA Waste Numbers: N/A

### **13. DISPOSAL INFORMATION**

# MATERIAL SAFETY DATA SHEET

METHYLENE BLUE AGAR  
CAROLINA BIOLOGICAL

Revised: 05/15/08  
Replaces: 07/10/07  
Printed: 05/20/08

---

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

Non-regulated.

## 15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

	SARA EHS	Chemicals	CERCLA	RCRA
Product or	Sec. 302	Name	Sec. 103	Sec.
Components	TPQ	List	RQ lbs.	261.33
		Category		

---

Agar	No	No	No	No	No
------	----	----	----	----	----

## 16. ADDITIONAL INFORMATION

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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

### Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number..Chemical Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

N/A.....Not Available

NTP.....National Toxicology Program

OSHA.....Occupational Safety and Health Administration

PEL.....Permissible Exposure Limit

ppm.....parts per million

RCRA.....Resource Conservation and Recovery Act

SARA.....Superfund Amendments and Reauthorization Act

TLV.....Threshold Limit Value

TSCA.....Toxic Substances Control Act