MATERIAL SAFETY DATA SHEET

Section 1. Company Identification and Product Information			
Product Name or Identity:	**m-Endo Broth**		
Manufacturer's Name:	Acumedia Manufacturers, Inc.	**Emergency Phone No.:**	517/372-9200
	740 East Shiawassee	**Fax No.:**	517/372-0108
	Lansing, Michigan 48912	**e-mail:**	foodsafety@neogen.com
Date Prepared or Revised: June 2013		**Chemtrec: (800) 424-9300** **Outside US and Canada: (703) 527-3887**	

Section 2. Composition / Information on Hazardous Ingredients			
This product is a mixture of the substances listed below with the addition of nonhazardous materials.			
Hazardous Components Specific Chemical Identity:	**CAS-No.**	**%**	**Hazard Symbol**
Potassium Phosphate, Monobasic	7778-77-0	2.9 %	Xi (Irritant)
Potassium Phosphate, dibasic	7758-11-4	9.1 %	Xi (Irritant)
Sodium Chloride	7647-14-5	10.4 %	Xi (Irritant)
Sodium Sulfite	7757-83-7	4.4 %	Xn (Harmful)
Basic Fuchsin	N/A	2.2 %	T (Toxic)

Section 3. Health Hazard Identification	
Health Hazards: *(Acute and Chronic)*	**Information pertaining to particular dangers for man and environment.** **R 45** May cause cancer. **R 42** May cause sensitization by inhalation. **R 42** May cause sensitization by skin contact.

Section 4. First Aid Measures	
Emergency / First Aid Procedures:	**General Information:** Consult a physician. Show this MSDS to the doctor in attendance. Move out of dangerous area.
	Ingestion: If swallowed, seek medical attention if symptoms occur. Clean mouth with water and afterwards drink plenty of water. Show physician product label or MSDS.
	Inhalation: If inhaled, supply fresh air or oxygen. If not breathing, give artificial respiration. Seek medical attention if breathing becomes labored or difficult.
	Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.
	Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if irritation develops.

Section 5. Fire and Explosion Hazard Data	
Flash Point (Method Used): N/A	**Flammable Limits**: LEL – N/A, UEL – N/A
Extinguishing Media: Use CO_2, ABC multipurpose dry chemical, water spray or alcohol-resistant foam.	
Protective Equipment: Wear self-contained breathing apparatus for firefighting if necessary.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases may be produced.	

Section 6. Accidental Release Measures
Personal Precautions: Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Wipe up with damp sponge or mop.
Clean-up Methods: Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and Storage
Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid formation of dust and aerosols.
Storage: Requirements to be met by storerooms and receptacles: 2 - 30°C Do not store together with oxidizing agents, strong acids. Store in cool, dry conditions in well sealed containers.
Other Precautions: No special measures required.

Section 8. Exposure Controls / Personal Protection		
Components with limit values that require monitoring: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.		
OSHA–PEL: N/A	**REL:** N/A	**TLV:** N/A
Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing.		
Personal Protective Equipment: Keep away from food, beverages, and feed. Wash hands before and after entering laboratory. **Breathing Equipment:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. **Hand Protection:** Use chemical resistant gloves. **Eye Protection:** Wear safety glasses or goggles. **Body Protection:** Wear lab coat or other protective work clothing.		

Section 9. Physical and Chemical Properties	
Appearance: Homogenous, free flowing powder pinkish-purple to pinkish-red in color.	
Boiling Point: Not determined	**Density:** Not determined
Flash Point: Not applicable	**Melting Point:** Not determined
Auto Igniting: Product is not self-igniting	**Solubility in Water:** Soluble
Danger of explosion: Product does not present an explosion hazard.	**pH:** 7.2 ± 0.2 @ 25°C
Solvent Content: Organic solvents – 0.0%	**Solids Content:** 100.0%

Section 10. Stability and Reactivity			
Stability:	Unstable		
	Stable	X	Conditions to Avoid: No decomposition if used according to specifications.
Incompatibility *(Materials to Avoid)*: Incompatible with strong oxidizers and acids.			
Hazardous Decomposition or Byproducts: Carbon oxides, nitrogen oxides, Hydrogen chloride gas, sulfur oxides, Potassium oxides, Phosphorus oxides			
Hazardous Polymerization:	May Occur		
	Will Not Occur	X	No dangerous reactions known.

Section 11. Toxicological Information

LD/LC_{50} values that are relevant:
LD_{50}(ORL): Sodium Sulfite 820 mg/kg (Rat)

Carcinogenicity Classification:
IARC – **Basic Fuchsin**: 2B – Group 2B: Possibly carcinogenic to humans.

NTP – Basic Fuchsin: Reasonably anticipated to be a human carcinogen.

ACGIH – Basic Fuchsin: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA – Basic Fuchsin: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Irritant: Irritant to eyes, skin, and mucous membranes.
Sensitization: No sensitizing effects known.
Subacute to chronic toxicity: Target organs: Respiratory tract, eyes, kidneys, and skin.
Additional toxicological information: Irritant.

Section 12. Ecological Information

Ecotoxicity Tests:
The ecological effects have not been thoroughly investigated, but currently none have been identified.

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations. Smaller quantities can be disposed of with solid waste.
RCRA Hazardous Waste: No
Contact a licensed professional waste disposal service to dispose of this material if questions arise.

Container Information: Do not remove labels from containers until they have been cleaned.

Section 14. Transport Information

DOT Regulations:
Not Regulated

Land Transport ADR/RID (cross-border):
Not Regulated

Maritime Transport IMDG:
Not Regulated

Marine Pollutant: No

Air Transport ICAO-TI and IATA-DGR:
Not Regulated

Section 15. Regulatory Information

EU Regulations, Hazard Symbol(s):

Potassium Phosphate, Monobasic – Xi (Irritant)
Potassium Phosphate, Dibasic – Xi (Irritant)
Sodium Chloride – Xi (Irritant)
Sodium Sulfite – Xn (Harmful)
Basic Fuchsin – T (Toxic)

Risk Phrases:
R 45 May cause cancer.
R 42 May cause sensitization by inhalation.
R 42 May cause sensitization by skin contact.

EPA SARA Title III Hazard Classification

Immediate	Y	Fire	N	Sudden Release of Pressure	N
Delayed	N	Reactive	N		

Section 313 Toxic Chemicals

Potassium Phosphate, Monobasic (CAS No. 7778-77-0) 2.9%
Sodium Sulfite (CAS No. 7757-83-7) 4.4%

California Proposition 65

This product contains PARAROSANILINE CHLORIDE, a chemical known to the state of California to cause cancer.

State Right-to-Know Components

Massachusetts
- PARAROSANILINE CHLORIDE (CAS No. 569-61-9)

New Jersey
- PARAROSANILINE CHLORIDE (CAS No. 569-61-9)
- Bis(p-aminophenyl)-4-methylenecyclohexa-2,5-dienylideneammonium acetate (CAS No. 6035-94-5)

Pennsylvania
- PARAROSANILINE CHLORIDE (CAS No. 569-61-9)
- Bis(p-aminophenyl)-4-methylenecyclohexa-2,5-dienylideneammonium acetate (CAS No. 6035-94-5)

Reportable Quantity (RQ) CERCLA/SARA 302/DOT

None Listed

RCRA Hazardous Waste Classification (40 CFR 261)

None Listed

Section 16. Other Information
This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Acumedia Manufacturers, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.