



MATERIAL SAFETY DATA SHEET

Section I – Product Information

Product Name or Identity:	Brilliant Green Bile Agar		
Manufacturer's Name:	Acumedia Manufacturers, Inc.	Emergency Phone No.:	517/372-9200
	740 East Shiawassee	Fax No.:	517/372-2006
	Lansing, Michigan 48912	e-mail:	foodsafety@neogen.com
Date Prepared or Revised:	01/31/07		

Section II – Hazardous Ingredients / Identity Information

Hazardous Components: (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD₅₀
Sodium Sulfite	TWA 5 ppm	N/A	ORL RAT, 820 mg/kg
Basic Fuchsin	N/A	N/A	N/A

Section III – Physical Characteristics

Boiling Point: N/A	Specific Gravity (H₂O = 1): 2.63 g/cm ³ (Sodium Sulfite), 1.22 g/cm ³ (Basic Fuchsin)
Vapor Pressure (mm Hg.): N/A	Melting Point: 250°C (Basic Fuchsin)
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: 1M completely soluble at 20°C (Sodium Sulfite)	
Appearance and Odor: White crystals, odorless (Sodium Sulfite), Deep green, powder (Basic Fuchsin)	

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Suitable extinguishing agents. CO ₂ , extinguishing powder, or water spray.	
Special Fire Fighting Procedures: Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced.	

Section V – Reactivity Data

Stability:	Unstable		Conditions to Avoid: Stable under ordinary conditions of use and storage. Heat and moisture contribute to instability. May air-oxidize.
	Stable	X	
Incompatibility (Materials to Avoid): Strong acids, strong oxidizing agents and high temperatures.			
Hazardous Decomposition or Byproducts: Burning may produce Sulfur oxides, Carbon monoxide, Carbon dioxide, Nitrogen oxides, and Hydrogen chloride gas.			
Hazardous Polymerization:	May Occur		Conditions to Avoid: Heat, moisture, and incompatible materials.
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards: (Acute and Chronic)	Harmful. Harmful if swallowed, inhaled, or absorbed through skin. May cause allergic reaction and breathing difficulties to sensitive individuals. May cause irritation to skin, eyes, and respiratory tract.		
Carcinogenicity: NTP? No (National Toxicology Program)	IARC Monographs? (International Agency for Research in Cancer) Group 3 (Sodium Selenite) The agent is not classifiable as to carcinogenicity in humans. Group 2B (Basic Fuchsin) This agent is possibly carcinogenic to humans.		OSHA Regulated? No
Signs and Symptoms of Exposure: Inhalation of dust may cause irritation to the mucous membranes of the upper respiratory tract. May cause gastric irritation by the liberation of sulfurous acid. May cause irritation, redness, and pain to the eye. Large doses may result in circulatory disturbances, diarrhea, and central nervous system depression.			
Medical Conditions Generally Aggravated by Exposure: Although only moderately toxic in large amounts, sulfites can pose risk to some asthmatics producing central nervous system depression, bronchconstriction and anaphylaxis. Basic Fuchsin is a possible carcinogen.			
Emergency / First Aid Procedures:	Ingestion: If swallowed, wash out mouth with water provided person is conscious. Seek medical attention immediately.		
	Inhalation: Supply fresh air or oxygen. In case of unconsciousness, place patient on side position for transportation. Seek medical attention.		
	Eye Contact: Rinse opened eye for at least 15 minutes under running water. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention.		
	Skin Contact: Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention.		

Section VII – Precautions for Safe Handling and Use	
Accidental Release Measures: Ventilate area and wash spill site after material is picked up and evacuated. Wear protective clothing, and discard after use. Exercise appropriate precautions to minimize direct contact with skin or eyes. Prevent inhalation of dust. Wash contaminated clothing before reuse.	
Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations.	
Handling and Storing: Keep container tightly closed. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatibilities. Containers of this material may be hazardous when empty since they retain product residues.	
Other Precautions: Air and moisture sensitive. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Ensure good ventilation / exhaustion at the workplace. Avoid prolonged or repeated exposure.	

Section VIII – Control Measures		
Respiratory Protection (Specify Type): None required where adequate ventilation conditions exist.		
Ventilation:	Local Exhaust: 50 – 100 CFM	Special: N/A
	Mechanical (General): N/A	Other: N/A
Protective Gloves: Proper disposable gloves		Eye Protection: Chemical resistant safety goggles
Other Protective Clothing or Equipment: Uniform, lab coat, or disposable lab wear.		
Work / Hygienic Practices: Follow the usual precautionary measures associated with inert powders. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing.		

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