



MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	m-FC 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
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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 LD ₅₀
Sodium Chloride, NaCl, Common salt	N/A	N/A	ORL-RAT, 3000 mg/kg
Bile Salts Mixture # 3	N/A	N/A	N/A
Aniline Blue	N/A	N/A	N/A

Section III – Physical Characteristics	
Boiling Point: 1413°C (Sodium Chloride)	Specific Gravity (H₂O = 1): 2.16 g/cm ³ (Sodium Chloride)
Vapor Pressure (mm Hg.): 1.0 @ 865°C (Sodium Chloride)	Melting Point: 804°C (Sodium Chloride)
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: 35.7 g/100g at 0°C (Sodium Chloride), Soluble in water (Aniline Blue)	
Appearance and Odor: Colorless crystals or white powder, characteristic odor. (Sodium Chloride) Dark red to purple solid, odorless (Aniline Blue).	

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. Hygroscopic.
	Stable	X	
Incompatibility (Materials to Avoid): Reacts with acids, alkalis, oxidizing agents, Lithium, and Bromine trifluoride.			
Hazardous Decomposition or Byproducts: Burning may produce Carbon monoxide, Carbon dioxide, Sulfur oxides, and Nitrogen oxides.			
Hazardous Polymerization:	May Occur		Conditions to Avoid: Incompatible materials.
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards: (Acute and Chronic)	Irritant. Irritating to eyes, respiratory system, and skin. May be harmful if swallowed.		
Carcinogenicity:	NTP? No (National Toxicology Program)	IARC Monographs? No (International Agency for Research in Cancer)	OSHA Regulated? No
Signs and Symptoms of Exposure: May cause irritation to the respiratory tract, symptoms include coughing and shortness of breath. If ingested, may cause nausea, vomiting, and diarrhea. May cause redness and pain if exposed to skin.			
Medical Conditions Generally Aggravated by Exposure: May cause eye irritation with redness and pain. Aniline Blue contains an anionic dye. Similar dyes have not cause injury to the cornea or conjunctiva in documented exposure cases. Lengthy exposure may affect the ability of blood to carry oxygen (methemoglobinemia), resulting in bluish discoloration of lips and tongue.			
Emergency / First Aid Procedures:	Ingestion: If swallowed, seek medical attention immediately.		
	Inhalation: Supply fresh air or oxygen. Seek medical attention.		
	Eye Contact: Rinse opened eye for at least 15 minutes under running water. Seek medical attention.		
	Skin Contact: Wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation develops.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Ventilate spill area. Wear suitable protective clothing. Wipe up with damp sponge or mop. Remove contaminated clothing. Avoid exposure to skin, eyes, and respiratory tract.
Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations.
Handling and Storing: Keep container tightly closed. Protect from moisture, light, and physical damage. Store away from oxidizing agents. Containers of this material may be hazardous when empty since they retain product residues.
Other Precautions: Prevent formation of dust. Ensure good ventilation / exhaustion at the workplace. Avoid inhalation of dust. Prevent prolonged or repeated exposure.

Section VIII – Control Measures		
Respiratory Protection (Specify Type): None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.		
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 for handling chemicals / powder. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin, and clothing.		

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