



## MATERIAL SAFETY DATA SHEET

Section I – Product Information			
<b>Product Name or Identity:</b>	Baird Parker Agar		
<b>Manufacturer's Name:</b>	Acumedia Manufacturers, Inc.	<b>Emergency Phone No.</b>	517/372-9200
	740 East Shiawassee	<b>Fax No.:</b>	517/372-20006
	Lansing, Michigan 48912	<b>e-mail:</b>	foodsafety@neogen.com
<b>Date Prepared or Revised:</b> 10/10/04			

Section II – Hazardous Ingredients / Identity Information			
<b>Hazardous Components:</b> (Specific Chemical Identity: Common Names)	<b>OSHA PEL</b> (Permissible Exposure Limits)	<b>ACGIH TLV</b> (Threshold Limit Value)	<b>Toxicity Data LD<sub>50</sub></b>
Lithium Chloride	N/A	N/A	ORL-RAT, 526 mg/kg
Sodium Pyruvate, Pyruvate acid sodium salt	N/A	N/A	N/A

Section III – Physical Characteristics	
<b>Boiling Point:</b> 1360°C (Lithium Chloride)	<b>Specific Gravity</b> (H <sub>2</sub> O = 1): 2.07 (Lithium Chloride)
<b>Vapor Pressure (mm Hg.):</b> N/A	<b>Melting Point:</b> 613°C (Lithium Chloride), >300°C (Sodium Pyruvate)
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate (Butyl Acetate = 1):</b> N/A
<b>Solubility:</b> 1 g/1.3 mL cold water (Lithium Chloride), Soluble (Sodium Pyruvate).	
<b>Appearance and Odor:</b> White crystals, odorless. (Lithium Chloride), White powder, odorless. (Sodium Pyruvate).	

Section IV – Fire and Explosion Hazard Data	
<b>Flash Point (Method Used):</b> Not applicable	<b>Flammable Limits:</b> LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
<b>Extinguishing Media:</b> Suitable extinguishing agents. CO <sub>2</sub> , extinguishing powder, or water spray.	
<b>Special Fire Fighting Procedures:</b> Fight larger fires with water or alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.	
<b>Unusual Fire and Explosion Hazards:</b> During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.	

Section V – Reactivity Data			
<b>Stability:</b>	Unstable		Conditions to Avoid: Moisture and air sensitive.
	Stable	X	
<b>Incompatibility (Materials to Avoid):</b> Incompatible with strong oxidizing agents, strong acids, alkalis, and Bromine trichloride			
<b>Hazardous Decomposition or Byproducts:</b> Carbon dioxide, Hydrogen chloride, and Lithium chloride. Emits toxic fumes of chlorine when heated to decomposition.			
<b>Hazardous Polymerization:</b>	May Occur		Conditions to Avoid: Heat, moisture and incompatible materials.
	Will Not Occur	X	

Section VI – Health Hazard Data			
<b>Route(s) of Entry:</b>	Inhalation? Yes	Skin? Yes	Ingestion? Yes
<b>Health Hazards:</b> (Acute and Chronic)	Harmful. Harmful if swallowed, inhaled, or absorbed through skin. Irritating to skin, eyes, and respiratory system. Skin irritation may be severe. Lithium Chloride may affect central nervous system.		
<b>Carcinogenicity:</b>	NTP? No (National Toxicology Program)	IARC Monographs? No (International Agency for Research in Cancer)	OSHA Regulated? No
<b>Signs and Symptoms of Exposure:</b> Dust may be irritating to eyes and mucous membranes. Lithium Chloride can cause irritation, redness, and pain to the eyes. Lithium Chloride causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. Dust may irritate eyes or upper respiratory tract.			
<b>Medical Conditions Generally Aggravated by Exposure:</b> Exposure to Lithium chloride can affect the central nervous system, respiratory system, muscles and kidneys.			
<b>Emergency / First Aid Procedures:</b>	Ingestion: If swallowed, seek medical attention immediately.		
	Inhalation: In case of unconsciousness, place patient on side position for transportation. Supply fresh air or oxygen; seek medical attention immediately.		
	Eye Contact: Rinse opened eye for at least 15 minutes under running water. 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	
<b>Accidental Release Measures:</b> Wear suitable protective clothing. Wipe up with damp sponge or mop, and avoid creating dust. Ventilate area of leak or spill.	
<b>Waste Disposal Method:</b> Dispose in accordance with all applicable federal, state, and local environmental regulations.	
<b>Handling and Storing:</b> Keep container tightly closed. Very hygroscopic. Protect from moisture. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues.	
<b>Other Precautions:</b> Ensure good ventilation / exhaustion at the workplace. Avoid prolonged or repeated exposure.	

Section VIII – Control Measures		
<b>Respiratory Protection (Specify Type):</b> None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.		
<b>Ventilation:</b>	Local Exhaust: 50 – 100 CFM	Special: N/A
	Mechanical (General): N/A	Other: N/A
<b>Protective Gloves:</b> Proper disposable gloves	Eye Protection: Chemical resistant safety goggles	
<b>Other Protective Clothing or Equipment:</b> Uniform, lab coat, or disposable lab wear.		
<b>Work / Hygienic Practices:</b> 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 skin, eyes, and clothing.		

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