

MATERIAL SAFETY DATA SHEET

Section I – Product Information				
Product Name or Identity:	Lactobacillus Selective Agar Base			
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: 10/10/04				

Section II – Hazardous Ingredients / Identity Information						
Hazardous Components:	OSHA PEL	ACGIH TLV	Toxicity Data LD ₅₀			
(Specific Chemical Identity: Common Names)	(Permissible Exposure	(Threshold	_			
	Limits)	Limit Value)				
Sodium Acetate Hydrate	15 mg/m ³	10 mg/m ³	ORL-RAT, 3530 mg/kg			
	(total dust)					
Potassium Phosphate	N/A	N/A	SKN-RBT, > 4640 mg/kg			
Ammonium Citrate	N/A	N/A	N/A			

Section III – Physical Characteristics				
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): 1.48 (Ammonium Citrate), 1.53 (Sodium Acetate)			
Vapor Pressure (mm Hg.): N/A	Melting Point: 324°C (Sodium Acetate), >465°C (Potassium Phosphate)			
Vapor Density (AIR = 1): 1.45 (Sodium Acetate)	Evaporation Rate (Butyl Acetate = 1): N/A			
Solubility in Water: 100 gm/100 ml water (Ammonium Citrate), 119 g/100 ml water (Sodium Acetate)				
150 g/100 g cold water (Potassium Phosphate)				
Appearance and Odor: White crystals, slight acetic acid odor. (Sodium Acetate)				
White crystals, odorless (Potassium Phosphate), White powder, slight ammonia odor (Ammonium Citrate).				

Section IV – Fire and Explosion Hazard Data				
Flash Point (Method Used): Not applicable	Flammable Limits: LEL (Lower Explosive Limits) - N/A			
	UEL (Upper Explosive Limits) - 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. As with most organic solids, fire is possible at elevated				

temperatures or by contact with an ignition source. **Unusual Fire and Explosion Hazards:** 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				
Stability:	Unstable	nstable Conditions to Avoid: Excess heat. Hygroscopic powder.		
	Stable	Х		
Incompatibil	Incompatibility (Materials to Avoid): Incompatible with strong alkalies, oxidizers and strong acids.			
Hazardous Decomposition or Byproducts: Carbon dioxide (CO ₂), Carbon monoxide (CO), Nitric oxide (NOx), fluoride, potassium nitrate, strong oxidizers, ammonia and diketene. Emits fumes of acetic acid upon heating and on contact with strong acids.				
Hazardous Polymerization	·····, ·····		· · · · · · · · · · · · · · · · · · ·	
	Will Not	Occur	Х	

Product # (s) 7234

		Section VI	- Health Hazard Data		
Route(s) of En	try:	Inhalation? Yes	Skin? Yes	Ingestion? Yes	
Health Hazards: (Acute and Chronic) Irritant. May cause irritation to skin, eyes, and respiratory system					
Carcinogenicit	y : N	TP? No	IARC Monographs? No	OSHA Regulated? No	
	(Na	ational Toxicology Program)	(International Agency for Research in Cancer)		
Persons with im Phosphates are calcium.	paired responsible slowly	respiratory function may be mor and incompletely absorbed who	osure: Increase contact can result in irrige susceptible to the effects of Ammonia Cen ingested. The toxicity of phosphates is	Citrate or Sodium Acetate.	
Emergency / First Aid	Inges	tion: If swallowed, seek medica	al attention immediately.		
Procedures:	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 with plenty of water. Seek medical attention.				
	Skin Contact: Immediately wash with plenty of soap and water for at least 15 minutes. Seek medica attention.				

Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: Ventilate spill area. Wear suitable protective clothing. Remove all sources of ignition. Flush spill area with water, wipe up with damp sponge or mop.

Waste Disposal Method: Dispose in accordance with all applicable federal, state and local environmental regulations.

Handling and Storing: Keep container tightly closed, in a cool, dry ventilated area. Protect container against physician damage. Isolate from any source of heat or ignition. Containers of this material may be hazardous when empty since they retain product residues.

Other Precautions: Ensure good ventilation / exhaustion at the workplace. Remove contaminated clothing immediately. Avoid 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 Protection	ve Clothing or Equipment: Uniform, lal	b coat or disposable lab wear.				
	ic Practices: Follow the usual precautio ages. Avoid contact with skin, eyes, and	nary measures for handling chemicals / powder. Keep away from clothing. Avoid breathing dust.				

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