



## MATERIAL SAFETY DATA SHEET

Section I – Product Information			
<b>Product Name or Identity:</b>	<b>LB Broth (Lennox L Broth)</b>		
<b>Manufacturer's Name:</b>	Acumedia Manufacturers, Inc.	<b>Emergency Phone No.</b>	517/372-9200
	740 East Shiawassee	<b>Fax No.:</b>	517/372-2006
	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			
Hazardous Components: (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data <b>LD<sub>50</sub></b>
Sodium Chloride, NaCl, Common salt	N/A	N/A	ORL-RAT 3000 mg/kg

Section III – Physical Characteristics	
<b>Boiling Point:</b> 1413°C	<b>Specific Gravity</b> (H <sub>2</sub> O = 1): 2.16 g/cm <sup>3</sup>
<b>Vapor Pressure (mm Hg.):</b> 1.0 @ 865°C	<b>Melting Point:</b> 804°C
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate</b> (Butyl Acetate = 1): N/A
<b>Solubility in Water:</b> 35.7 g/100g at 0°C	
<b>Appearance and Odor:</b> Colorless crystals or white powder. Characteristic odor.	

Section IV – Fire and Explosion Hazard Data	
<b>Flash Point</b> ( <i>Method Used</i> ): 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.	
<b>Unusual Fire and Explosion Hazards:</b> During heating or in case of fire, poisonous gases are produced.	

Section V – Reactivity Data			
<b>Stability:</b>	Unstable		Conditions to Avoid: Stable under ordinary conditions of use and storage. Hygroscopic.
	Stable	X	
<b>Incompatibility</b> ( <i>Materials to Avoid</i> ): Reacts with acids, alkalis, oxidizing agents, Lithium, and Bromine trifluoride.			
<b>Hazardous Decomposition or Byproducts:</b> When heated to above 801°C it emits toxic fumes of chloride and sodium oxide.			
<b>Hazardous Polymerization:</b>	May Occur		Conditions to Avoid: 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)	Irritant. Irritating to eyes, respiratory system, and skin.		
<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> Irritant to skin and mucous membranes. Irritating effect to eye.			
<b>Medical Conditions Generally Aggravated by Exposure:</b> No sensitizing effects known. If large doses can cause vomiting, diarrhea, and prostration.			
<b>Emergency / First Aid Procedures:</b>	Ingestion: If swallowed, seek medical attention.		
	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 15 minutes. Generally this product does not irritate the skin.		

Section VII – Precautions for Safe Handling and Use	
<b>Accidental Release Measures:</b> Ventilate spill area. Wear suitable protective clothing. Wipe up with damp sponge or mop. Remove contaminated clothing.	
<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. Protect from moisture. Suitable for any general chemical storage area. Store away from oxidizing agents.	
<b>Other Precautions:</b> Prevent formation of dust. Ensure good ventilation / exhaustion at the workplace. Avoid prolonged or repeated exposure.	

Section VIII – Control Measures		
<b>Respiratory Protection</b> (Specify Type): 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		<b>Eye Protection:</b> 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 eyes, skin, and clothing.		

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