

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	HC Agar Base		
Manufacturer's Name:	Acumedia Manufacturers, Inc.	Emergency Phone No.:	410/780-5120
	9601 Pulaski Park Drive	Fax No.:	410/780-5470
	Baltimore, Maryland 21220	E-mail:	www.neogen.com
Date Prepared or Revised: 12/30/00			

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
Chloramphenicol, Amphenicol	N/A	N/A	ORL-RAT 2500 mg/kg
Sodium Phosphate	N/A	N/A	ORL-RAT 17 mg/kg

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): 2.04 (Sodium Phosphate)
Vapor Pressure (mm Hg.): N/A	Melting Point: 151°C (Chloramphenicol)
Vapor Density (AIR = 1): 11.1 (Chloramphenicol)	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: 2.5 mg/ml at 25°C (Chloramphenicol)	
Appearance and Odor: Solid, light beige. Characteristic odor. (Chloramphenicol), White, crystalline powder. (Sodium Phosphate).	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): Not applicable	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Use sand, carbon dioxide or powdered extinguishing agent. Never use water.	
Special Fire Fighting Procedures: Fight larger fires with alcohol resistant foam. Firefighters should wear protective equipment and self-contained breathing apparatus. Remove contaminated clothing immediately.	
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: Moisture and air sensitive, dust generation and excess heat.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Incompatible with strong acids, bases and oxidizers.			
Hazardous Decomposition or Byproducts: Carbon monoxide (CO), Carbon dioxide (CO ₂), Hydrogen chloride (HCl) and Phosphorus oxides (POx).			
Hazardous Polymerization	May Occur		Conditions to Avoid: No dangerous reactions known.
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes

Health Hazards (Acute and Chronic)	Very Toxic. Toxic by inhalation and contact with skin.		
Carcinogenicity:	NTP? No (National Toxicology Program)	IARC Monographs? No (International Agency for Research in Cancer)	OSHA Regulated? No
Signs and Symptoms of Exposure: Irritant to skin and mucous membranes. Irritating effect to eye. Allergic reactions in hypersensitive persons. Sodium Phosphate is a corrosive material, and can cause burns.			
Medical Conditions Generally Aggravated by Exposure: Possible risk of harm to unborn child. Possible carcinogen. Sensitization possible through skin contact and inhalation. Increased exposure to Chloramphenicol may cause anemia and other blood abnormalities.			
Emergency / First Aid Procedures	Ingestion: If swallowed, seek medical attention immediately. Show physician product label.		
	Inhalation: Supply fresh air or oxygen. Seek medical attention immediately. In case of unconsciousness, place patient on side position for transportation.		
	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.		

Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: Wear suitable protective clothing. Remove contaminated clothing immediately. In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
Waste Disposal Method: Dispose in accordance with all applicable federal, state and local environmental regulations. Do not empty into drains, dispose of Chloramphenicol at a special hazardous waste collection container.
Handling and Storing: Keep container tightly closed, protect from moisture. Do not store together with oxidizing and acidic materials. Store away from oxidizing agents and alkali material (caustic). Keep receptacle tightly sealed. Store only in the original receptacle.
Other Precautions: Prevent formation of dust. Ensure good ventilation / exhaustion at the workplace.

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
	Mechanical (General): N/A	Other
Protective Gloves: Proper disposable gloves		Eye Protection: 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.		

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Acumedia shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.