

Material Safety Data Sheet

Product Catalog Number: 310-015	Precaution: For <i>In-Vitro</i> Use Only.
Name (on Label): ATAC® Direct Bilirubin Calibrator	

Section I - NAME AND PRODUCT	
Manufacturer's Name: Vital Diagnostics, Inc.	Emergency Telephone Number: 1-760-602-8700
Address: 27 Wellington Road Lincoln, RI 02865	Telephone Number for Information: 1-401-642-8400; 1-800-345-2822
	Date Prepared: 6/1/08

Section II - Hazard Ingredients/Identity Information								
Hazardous Components	CAS #	NFPA			Conc.	% (WT)	TLV	OSHA PEL
		Health	Fire	Reactivity				
Dimethyl Sulfoxide	67-68-5	N/A	N/A	N/A	N/A	50%	N/A	N/A

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).
 TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

Section III - Physical/Chemical Characteristics	
Boiling Point: 189°C	Specific Gravity (H₂O = 1): 1.10
Vapor Pressure (mm Hg.): N/A	Melting Point: 18°C
Vapor Density (AIR = 1): N/A	Evaporation Rate: N/A (Butyl Acetate = 1)
Solubility in Water: N/A	Other Physical Data: N/A
Appearance and Odor: N/A	

Section IV - Fire and Explosion Hazard Data		
Flash Point (Method Used): 203°C	Flammable Limits	
	Lower Explosive Limit:	Upper Explosive Limit:
	N/A	N/A
Extinguishing Media: Use water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.		
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus and protective clothing.		
Unusual Fire and Explosion Hazards: Forms explosive mixtures in air. Emits toxic fumes under fire conditions.		

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Section V - Reactivity Data			
Stability:	Unstable		Conditions to Avoid: None.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): None.			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid: None.
	Will Not Occur	X	

Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation: Yes	Skin: Yes	Ingestion: Yes
Health Hazards (<i>Acute and Chronic</i>): Chronic: Chronic exposures may cause reproductive disorders based on tests with laboratory animals. Acute: May cause eye and skin irritation. May cause allergic respiratory and skin reactions.			
Carcinogenicity: N/A	NTP: N/A	IARC Monographs: N/A	OSHA Regulated: N/A
Signs and Symptoms of Exposure: May cause eye and skin irritation. May cause allergic respiratory and skin reactions.			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures: Ingestion: Wash out mouth with water. Do not give anything by mouth to an unconscious person. Get medical attention. Skin: Flush skin with water for 15 minutes. Wash affected area thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists. Eyes: Flush eyes including under the eyelids with water for 15 minutes. Get medical attention. Inhalation: Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.			

Section VII - Precautions for Safe Handling and Use
Steps to Be Taken in Case Material is Released or Spilled: Ventilate area. Absorb with non-reactive absorbent. After absorption, scoop up into a container for proper disposal. Wash area clean after material is scooped up.
Waste Disposal Method: Dispose of in a manner consistent with federal, state and local regulation.
Precautions to Be taken in Handling and Storing: N/A
Other Precautions: N/A

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Section VIII - Control Measures		
Respiratory Protection (<i>Specify Type</i>): Wear respiratory protection.		
Ventilation:	Local Exhaust: Good ventilation	Protective Gloves: Yes
	Mechanical (General): N/A	Eye Protection: Yes.
	Special: Use caution when handling material. Treat with respect. Follow accepted normally applied laboratory precautions.	Other Protective Clothing or Equipment: Lab Coat
	Other: Good ventilation.	Work/Hygienic Practices: Do not pipette by mouth. Normal laboratory precautions are recommended.

Section IX - Other Information
Miscellaneous Information: None.
<i>The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which Vital Diagnostics shall be liable.</i>