

Product Catalog Number: 546-040	Note:
Name (on Label): ATAC® TIBC Column Kit	

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				
FeCl ₃	N/A	N/A	N/A	N/A	N/A	N/A	Unknown	N/A
Citric Acid	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sorbic Acid	N/A	N/A	N/A	N/A	N/A	N/A	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: 228°F	Specific Gravity (H₂O = 1): N/A
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): N/A	Evaporation Rate: N/D (Butyl Acetate = 1)
Solubility in Water: 100%	Other Physical Data: pH 2.8-3.4
Appearance and Odor: Clear liquid with mild odor.	

Section IV - Fire and Explosion Hazard Data		
Flash Point (Method Used): 260° F. Slight hazard when exposed to extreme heat or flame.	Flammable Limits	
	Lower Explosive Limit:	Upper Explosive Limit:
	N/A	N/A
Extinguishing Media: Water		
Special Fire Fighting Procedures: Water spray to cool fire-exposed area.		
Unusual Fire and Explosion Hazards: None.		

Section V - Reactivity Data			
Stability:	Unstable		Conditions to Avoid: N/A
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Reacts with allyl chloride, Na, and K.			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization: N/A	May Occur		Conditions to Avoid: N/A
	Will Not Occur		

Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation: No	Skin: Yes	Ingestion: Yes
Health Hazards (<i>Acute and Chronic</i>): Chronic: Slight eye, skin and mucous membrane irritation. Acute: Unknown – none expected at regular lab use level.			
Carcinogenicity: N/A	NTP: N/A	IARC Monographs: N/A	OSHA Regulated: N/A
Signs and Symptoms of Exposure: Ingestion: May cause some nausea. Skin: Mild irritant. Eyes: Irritant. Inhalation: None.			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures: Ingestion: Drink copious amounts of water and contact a physician. Skin: Wash with soap and water. If irritation occurs, contact a physician. Eyes: Flush thoroughly with water for 15 minutes and contact a physician Inhalation: N/A.			

Section VII - Precautions for Safe Handling and Use
Steps to Be Taken in Case Material is Released or Spilled: Wipe up spills, using gloves, with absorbent materials.
Waste Disposal Method: Non-hazardous material. May be flushed down drain.
Precautions to Be taken in Handling and Storing: Avoid extreme temperature changes. Store at room temperature (15-30°C).
Other Precautions: N/A

Section VIII - Control Measures		
Respiratory Protection (<i>Specify Type</i>): N/A		
Ventilation:	Local Exhaust: Normal room ventilation	Protective Gloves: Yes
	Mechanical (<i>General</i>): N/A	Eye Protection: Yes
	Special: N/A	Other Protective Clothing or Equipment: N/A
	Other: N/A	Work/Hygienic Practices: Normal laboratory practices.

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>