

# Material Safety Data Sheet

<b>Product Catalog Number:</b> 542-250	<b>Note:</b>
<b>Name (on Label):</b> ATAC® HDL Precipitating Reagent Kit	

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

Section II - Hazard Ingredients/Identity Information								
<b>HDL Precipitating Reagent</b>								
Hazardous Components	CAS #	NFPA			Conc.	% (WT)	TLV	OSHA PEL
		Health	Fire	Reactivity				
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>HDL Calibrator</b>								
Hazardous Components	CAS #	NFPA			Conc.	% (WT)	TLV	OSHA PEL
		Health	Fire	Reactivity				
Nonionic surfactant	68131-40-8	N/A	N/A	N/A	N/A	4.2	Not established	N/A
Isopropanol	67-63-0	N/A	N/A	N/A	N/A	4.2	Not established	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	
<b>Boiling Point:</b> Isopropanol 180°F Nonionic surfactant > 482°F (decomposes)	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> Isopropanol 0.785 Nonionic surfactant 1.006
<b>Vapor Pressure (mm Hg.):</b> N/A	<b>Melting Point:</b> Isopropanol 128°F Nonionic surfactant 43°F
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate:</b> N/A (Butyl Acetate = 1)
<b>Solubility in Water:</b> N/A	<b>Other Physical Data:</b> N/A
<b>Appearance and Odor:</b> N/A	

# Material Safety Data Sheet

Section IV - Fire and Explosion Hazard Data		
<b>Flash Point (Method Used):</b> Isopropanol 53.6°F Nonionic surfactant 380°F	<b>Flammable Limits</b>	
	<b>Lower Explosive Limit:</b>	<b>Upper Explosive Limit:</b>
	N/A	N/A
<b>Extinguishing Media:</b> Suitable for surrounding fire.		
<b>Special Fire Fighting Procedures:</b> Wear self-contained breathing apparatus and protective clothing.		
<b>Unusual Fire and Explosion Hazards:</b> Pure Isopropanol is volatile and flammable. Avoid heat, sparks, open flame, open containers, and poor ventilation. Avoid oxidizing agents, strong acids, and reactive metals (aluminum). Toxic gases and vapors such as carbon monoxide may be released in a fire involving Isopropanol. Pure Nonionic surfactant, when heated to decomposition, will emit carbon monoxide and/or carbon dioxide fumes.		

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

Section VI - Health Hazard Data			
<b>Route(s) of Entry:</b>	Inhalation: Yes	Skin: Yes	Ingestion: Yes
<b>Health Hazards (Acute and Chronic):</b> Chronic: N/A Acute: N/A			
<b>Carcinogenicity:</b> No	<b>NTP:</b> N/A	<b>IARC Monographs:</b> N/A	<b>OSHA Regulated:</b> N/A
<b>Signs and Symptoms of Exposure:</b> Isopropanol: Contact with the eyes or skin may cause irritation. If large quantities are ingested, corrosion of mucous membranes, esophagus, dysphagia, nausea, vomiting, intense thirst, and diarrhea may occur. Ingesting more than 250 ml of Isopropanol can cause death. If large quantities are inhaled, coughing, shortness of breath, dizziness, intoxication, choking, inflammation and ulceration of respiratory tract may occur. Nonionic surfactant: Contact with the skin may cause itching, burns or ulcerations. Irritation of the mucous membranes, sneezing, coughing, burning of the mouth and throat may occur if inhaled or ingested. Chronic exposure may cause nausea, vomiting, chemical bronchitis, or acute pulmonary edema. Contact with the eyes may cause pain, tear production, eyelid closure, conjunctivitis, and/or mild corneal injury.			
<b>Medical Conditions Generally Aggravated by Exposure:</b> N/A			
<b>Emergency and First Aid Procedures:</b> <b>Ingestion:</b> Drink large quantities of water or milk. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Contact a physician or Poison Control Center. <b>Skin:</b> Flush skin with water thoroughly. Wash affected area with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists. <b>Eyes:</b> Flush eyes, including under the eyelids, with water for 15 minutes. Get immediate medical attention. <b>Inhalation:</b> Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Call a physician if warranted.			

# Material Safety Data Sheet

Section VII - Precautions for Safe Handling and Use
<p><b>Steps to Be Taken in Case Material is Released or Spilled:</b> Ventilate area. Eliminate ignition sources. Absorb with non-reactive absorbent. After absorption, scoop up into a container for proper disposal. Wash area clean after all material is picked up.</p>
<p><b>Waste Disposal Method:</b> Comply with all federal, state, and local regulations.</p>
<p><b>Precautions to Be taken in Handling and Storing:</b> N/A</p>
<p><b>Other Precautions:</b> N/A</p>

Section VIII - Control Measures		
<p><b>Respiratory Protection</b> (<i>Specify Type</i>): None required.</p>		
<b>Ventilation:</b>	<b>Local Exhaust:</b> N/A	<b>Protective Gloves:</b> Yes
	<b>Mechanical</b> ( <i>General</i> ): Recommended.	<b>Eye Protection:</b> Yes. Provide eyewash station.
	<b>Special:</b> N/A	<b>Other Protective Clothing or Equipment:</b> Lab coat.
	<b>Other:</b> Provide safety shower.	<b>Work/Hygienic Practices:</b> DO NOT PIPETTE BY MOUTH. Normal laboratory precautions are recommended.

Section IX – Other Information
<p><b>Miscellaneous Information:</b> None.</p>
<p><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 Clinical Data shall be liable.</i></p>