

Material Safety Data Sheet

Product Catalog Number: A2109	Precaution: For <i>In-Vitro</i> Use Only. Under OSHA's Hazard Communication Standard (29CFR 1910.1200) a chemical mixture is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1% or more of a known carcinogen. Since this product does not contain hazardous material in excess of these amounts, no specific Material Safety Data Sheets (MSDS) is required. However, in the interest of general laboratory safety, the following precautionary measures are recommended.
Name (on Label): ISE Solution Pak (Na/K)	

Section I - NAME AND PRODUCT	
Distributor'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				
None determined to be hazardous.	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: N/A	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/A (Butyl Acetate = 1)
Solubility in Water: N/A	Other Physical Data: N/A
Appearance and Odor: N/A	

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Section IV - Fire and Explosion Hazard Data		
Flash Point (Method Used): N/A	Flammable Limits	
	Lower Explosive Limit:	Upper Explosive Limit:
	N/A	N/A
Extinguishing Media: N/A		
Special Fire Fighting Procedures: N/A		
Unusual Fire and Explosion Hazards: N/A		

Section V - Reactivity Data			
Stability:	Unstable		Conditions to Avoid: None.
	Stable	X	
Incompatibility (Materials to Avoid): 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 (Acute and Chronic): Avoid ingestion of reagents as toxicity has not been determined. Chronic: N/A Acute: N/A			
Carcinogenicity: N/A	NTP: N/A	IARC Monographs: N/A	OSHA Regulated: N/A
Signs and Symptoms of Exposure: N/A			
Medical Conditions Generally Aggravated by Exposure: N/A			
<p>Emergency and First Aid Procedures: Although no MSDS is required by the standard, the following general guidelines are given should reagents be inhaled, ingested, or exposed to eyes or skin.</p> <p>Ingestion: Drink large quantities of water or milk. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.</p> <p>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.</p> <p>Eyes: Flush eyes including under the eyelids with water for 15 minutes. Get medical attention.</p> <p>Inhalation: Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.</p>			

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Section VII - Precautions for Safe Handling and Use
Steps to Be Taken in Case Material is Released or Spilled: N/A
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

Section VIII - Control Measures										
Respiratory Protection (<i>Specify Type</i>): None required.										
Ventilation:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Local Exhaust: N/A</td> <td style="padding: 5px;">Protective Gloves: Yes</td> </tr> <tr> <td style="padding: 5px;">Mechanical (General): N/A</td> <td style="padding: 5px;">Eye Protection: Yes</td> </tr> <tr> <td style="padding: 5px;">Special: None.</td> <td style="padding: 5px;">Other Protective Clothing or Equipment: Lab Coat</td> </tr> <tr> <td style="padding: 5px;">Other: N/A</td> <td style="padding: 5px;">Work/Hygienic Practices: Do not pipette by mouth. Normal laboratory precautions are recommended.</td> </tr> </table>	Local Exhaust: N/A	Protective Gloves: Yes	Mechanical (General): N/A	Eye Protection: Yes	Special: None.	Other Protective Clothing or Equipment: Lab Coat	Other: N/A	Work/Hygienic Practices: Do not pipette by mouth. Normal laboratory precautions are recommended.	
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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>