

# **MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:**

**VetOne Rapid Differential**

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MATERIAL SAFETY DATA SYSTEMS

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## MATERIAL SAFETY DATA SHEET

1 OF 2

### Section I: IDENTIFICATION

*Product Name:* **Quick III, Fixative**

*Component(s):* Methanol  
Fast Green

*Date Prepared:* 06/99

*Item Number(s):* 5303, 5316, 5317, 5328, SP-851

*Emergency Phone:* 800-441-0366

### Section II: HAZARDOUS INGREDIENTS

<i>Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OSHA PEL, ACGIH TLV/STEL</i>	<i>NFPA</i>	
Methyl Alcohol 100%	67-56-1	200/250	<b>Health</b>	1
			<b>Flammability</b>	3
			<b>Reactivity</b>	0
<i>Non-Hazardous Component</i>				
Fast Green <1%	2353-45-9	NA		

### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	148°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	0.79
<i>Vapor Pressure mm Hg/20°C:</i>	96	<i>Percent Volatile by Vol:</i>	91%
<i>Vapor Density (Air 1:1):</i>	1.11	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Blue Liquid/Pungent Odor

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* 54°F TCC      *Flammable Limits:* LEL 6.7      UEL 36.5

*Extinguishing Media:* Water Spray, Dry Chemical, CO<sub>2</sub> and Foam for Alcohol

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* Eliminate sources of ignition. Burns with invisible flame.

### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* Strong oxidizers, chromic anhydride, perchloric acids etc.

*Hazardous Decomposition or Byproducts:* Oxides of carbon

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Excessive heat, sparks or flames

### Section VI: HEALTH HAZARDS

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute:* Vapors may cause eyes, skin and respiratory irritation, drowsiness, nausea, headache and vomiting.

*Chronic:* May cause liver, heart and kidney damage. May cause gastrointestinal disturbances and convulsions.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

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### Section VI: HEALTH HAZARDS

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.

**Ingestion:** Rinse mouth thoroughly with water, provide person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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### Section VII: SAFE HANDLING

*Chemical Release or Spill:* Eliminate source of ignition in the vicinity of the spill or released vapor. Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Incineration for liquids is the suggest method of disposal. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Use precautions for flammable liquids. Avoid excessive heat and sources of ignition. For large quantities, store in flammable safety cabinet. Use in well-ventilated area.

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### Section VIII: CONTROL MEASURES

*Respiratory Protection:* Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

*Ventilation:* Special flammable exhaust hood if vapor concentration is high. In well-ventilated areas, mechanical exhaust is sufficient.

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety Glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Astraldiagnosics shall not be held liable for any damage resulting from handling or contact with this product.

## MATERIAL SAFETY DATA SHEET

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### Section I: IDENTIFICATION

*Product Name: Quick III, Solution I*

*Date Prepared: 01/01*

*Item Number(s): 5303, 5316, 5318, 5329, SP851*

*Emergency Phone: 800-441-0366*

### Section II: HAZARDOUS INGREDIENTS

<i>Non-Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<i>NFPA</i>	
Eosin Y	<1%	17372-87-1	NA	<i>Health</i> 1
Potassium Phosphate	<1%	7778-77-0	NA	<i>Flammability</i> 0
Sodium Phosphate	<1%	10049-21-0	NA	<i>Reactivity</i> 0
<i>Hazardous Component</i>				
Sodium Azide	Trace	26628-22-8	0.29TWA	

### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	100°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Orange Liquid/Odorless

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* Non-Flammable      *Flammable Limits:* LEL: NA      UEL: NA

*Extinguishing Media:* Water Spray, Dry Chemical, CO<sub>2</sub> and Foam for Alcohol

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* May give-off toxic fumes under fire conditions.

### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* Some metallic oxides/metals (not in the concentration present)

*Hazardous Decomposition or Byproducts:* Oxides of carbon, nitrogen

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Normal Laboratory Care

### Section VI: HEALTH HAZARDS

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute/Chronic:* Product is not expected to cause health hazards when utilizing good laboratory practices and the concentration present in the product. Eye and skin irritant. Poisonous if swallowed.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

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### Section VI: HEALTH HAZARDS

*Emergency First Aid:*

**Skin:** Remove contaminated clothing and change. Wash affected skin area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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### Section VII: SAFE HANDLING

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Normal Laboratory Care

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### Section VIII: CONTROL MEASURES

*Respiratory Protection:* Not normally required.

*Ventilation:* Mechanical exhaust is sufficient

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety Glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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## MATERIAL SAFETY DATA SHEET

1 OF 2

### Section I: IDENTIFICATION

*Product Name: Quick III, Solution II*

*Date Prepared: 06/99*

*Item Number(s): 5303, 5316, 5319, 5330, SP851*

*Emergency Phone: 800-441-0366*

### Section II: HAZARDOUS INGREDIENTS

<i>Non-Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<i>NFPA</i>	
Methylene Blue	<1% 7220-79-3	NA	<b>Health</b>	0
Potassium Phosphate	<1% 7778-77-0	NA	<b>Flammability</b>	0
Sodium Phosphate	<1% 10049-21-0	NA	<b>Reactivity</b>	0

### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	100°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Blue Liquid/Odorless

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* Non-Flammable      *Flammable Limits:* LEL: NA      UEL: NA

*Extinguishing Media:* Water Spray, Dry Chemical, CO<sub>2</sub> and Foam for Alcohol

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* None

### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* None

*Hazardous Decomposition or Byproducts:* Oxides of carbon

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Normal Laboratory Care

### Section VI: HEALTH HAZARDS

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute/Chronic:* Product is not expected to cause health hazards when utilizing good laboratory practices.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

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### Section VI: HEALTH HAZARDS

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.

**Ingestion:** Rinse mouth thoroughly with water, provide person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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### Section VII: SAFE HANDLING

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Normal Laboratory Care

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### Section VIII: CONTROL MEASURES

*Respiratory Protection:* Not normally required.

*Ventilation:* Mechanical exhaust is sufficient

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety Glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Astraldiagnosics shall not be held liable for any damage resulting from handling or contact with this product.

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