

KACEY INC –VETI STAIN PRODUCTS

PART # 10143 Hematology (REFILL KIT)

PART # 0146 Hematology Starter Kit

PART # 10147 Hematology Neat Stain Kit KACEY INC

SOLUTION # 1 Three Step (500 ML) Refill –Starter Kit & Neat Stain

MATERIAL SAFETY DATA SHEET

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Section I: IDENTIFICATION

Product Name: SOLUTION Fixative	Date Prepared: 01/13
Component(s): Methanol	Item Number(s): 401
Fast Green	Emergency Phone: 828 258-1482

Section II: HAZARDOUS INGREDIENTS

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

Section III: PHYSICAL DATA

Boiling Point: 148°F	Specific Gravity (H ₂ O = 1): 0.79
Vapor Pressure mm Hg/20°C: 96	Percent Volatile by Vol: 91%
Vapor Density (Air 1:1): 1.11	Evaporation Rate (ether = 1): >1
Solubility in H ₂ O: Complete	Appearance & Odor: 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, CO₂ 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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SOLUTION #1 Three Step (500 ML) Refill – Starter Kit & Neat Stain **MATERIAL SAFETY DATA SHEET**

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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.

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.

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.

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

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SOLUTION # 2 Three Step (500 ML) Refill –Starter Kit & Neat Stain
MATERIAL SAFETY DATA SHEET

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Section I: IDENTIFICATION

Date Prepared: 01/01
Product Name, Solution I Item Number(s): 402
Emergency Phone: 828 258-1482

Section II: HAZARDOUS INGREDIENTS

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

Section III: PHYSICAL DATA

Boiling Point: 100°F Specific Gravity (H₂O = 1): ~1
Vapor Pressure mm Hg/20°C: NE Percent Volatile by Vol: NA
Vapor Density (Air 1:1): NE Evaporation Rate (ether = 1): >1
Solubility in H₂O: Complete Appearance & Odor: Orange Liquid/Odorless

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: Non-Flammable Flammable Limits: LEL: NA UEL: NA
Extinguishing Media: Water Spray, Dry Chemical, CO₂ 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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SOLUTION # 2 Three Step (500 ML) Refill –Starter Kit & Neat Stain
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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.

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

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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KACEY INC
SOLUTION # 3 Three Step (500 ML) Refill –Starter Kit & Neat Stain
MATERIAL SAFETY DATA SHEET

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Section I: IDENTIFICATION

Product Name:, Solution #3

Date Prepared: 06/99

Item Number(s): 403

Emergency Phone: 828 258-1482

Section II: HAZARDOUS INGREDIENTS

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

Section III: PHYSICAL DATA

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

Section IV: FIRE/EXPLOSION HAZARD

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

Extinguishing Media: Water Spray, Dry Chemical, CO₂ 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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SOLUTION # 3 Three Step (500 ML) Refill –Starter Kit & Neat Stain

MATERIAL SAFETY DATA SHEET
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SOLUTION # 3

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.

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

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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