

SAFETY DATA SHEETS

This SDS packet was issued with item:

078939001

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078939005

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078939003

Rapid Differential Red #2 Stain

SECTION 1: IDENTIFICATION

Product Name: Rapid Differential Red #2 Stain

Restrictions on Use: N/A

Synonyms: None

In Case of Emergency:

Recommended Use: Histology Staining

Manufacturer/Supplier: Pivetal

SECTION 2: HEALTH HAZARD INFORMATION

OSHA Hazard Classification(s):

No OSHA Hazard Classifications Applicable

Signal Word: N/A

Hazard Statement(s): N/A

Pictogram(s): N/A

Precautionary Statement(s): Prevention: N/A

Response: N/A

Storage: N/A

Disposal: N/A

Descriptions of Hazards not otherwise classified: N/A

Percent of mixture with unknown acute toxicity: N/A

SECTION 3: INGREDIENT INFORMATION

Chemical Name	Common Name	CAS #	Concentration %
Water		7732-18-5	Trade Secret
Select Buffers		Trade Secret	Trade Secret
Eosin Y		17372-87-1	Trade Secret

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with plenty of water. Remove contaminated clothing and launder before reuse as a precaution.

Inhalation: Move person to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs.

Symptoms: N/A

Recommendations for immediate medical care/special treatment: If exposure by any route causes irritation get medical advice/attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam.

Fire Hazards (Chemical): N/A

Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.

Precautions for Firefighters: Fire fighters should use self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

Rapid Differential Red #2 Stain

Protective Equipment: See section 8

Environmental Precautions: Prevent release to the environment by using barriers.

Containment and Clean-Up Procedures: Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product.

Storage:

SECTION 8: EXPOSURE CONTROL AND PPE

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
N/A		

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
N/A			

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

Special PPE Requirements: If ventilation hood not available wear respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink, Pink Liquid

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point and Boiling Range: 100°C

Melting Point/Freezing Point: N/A

Flash Point: N/A

Specific Gravity/Relative Density: N/A

Odor: N/A

Odor Threshold: N/A

Color: Pink

Flammability (solid/gas): N/A

Vapor Density: N/A

Upper/Lower flammability or explosive limits: N/A

Vapor Pressure: N/A

Evaporation Rate: N/A

Partition Coefficient: n-octanol/water: N/A

Viscosity: N/A

Auto-ignition temperature: N/A

Solubility: Miscible in water

Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity: N/A

Rapid Differential Red #2 Stain

Chemical Stability: Stable

Conditions of Stability/Instability: None

Stabilizers needed: None

Safety issue indicated by appearance change: N/A

Other: N/A

Hazardous Reactions: N/A

Hazardous Polymerization: Does not occur

Conditions to avoid: N/A

Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases

Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes: May cause irritation with redness, pain and possible corneal damage.

Skin: May cause irritation with redness and pain.

Inhalation: May cause irritation of the mucous membranes with sore throat and coughing.

Ingestion:

Signs or Symptoms of Exposure: See above conditions.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.

Acute Toxicity (Numerical Measures):

Carcinogenicity (NTP, IARC, OSHA): Not listed as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Bioaccumulation Potential (octanol-water partition coefficient, BCF):

Mobility in the soil:

Adverse Environmental Effects:

SECTION 13: DISPOSAL CONSIDERATIONS

Recommended Disposal Containers: Check with your local waste authorities*

Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*

Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*

Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*

Waste Stream: Consult your local or regional authorities.*

SECTION 14: TRANSPORTATION INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name:

Transport Hazard Class(es):

Packing Group Number:

Environmental Hazards (IMDG code):

Marine Pollutant:

Transport in Bulk (IBC Code):

Special Transport Precautions:

Rapid Differential Red #2 Stain

SECTION 15: REGULATORY INFORMATION

OSHA:
DOT:
EPA:
CPSC:

Rapid Differential Red #2 Stain

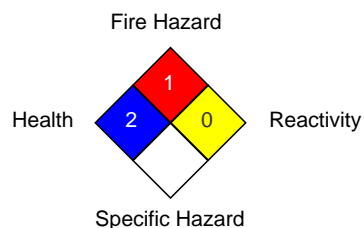
SECTION 16: OTHER INFORMATION

Revision Date: 07/17/2015

NFPA

Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

Notice to Reader:

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Rapid Differential Blue #3 Stain

SECTION 1: IDENTIFICATION

Product Name: Rapid Differential Blue #3 Stain

Synonyms: None

Recommended Use: Histology Staining

Manufacturer/Supplier: Pivetal

Restrictions on Use: N/A

In Case of Emergency:

SECTION 2: HEALTH HAZARD INFORMATION

OSHA Hazard Classification(s):

No OSHA Hazard Classifications Applicable

Signal Word: N/A

Hazard Statement(s): N/A

Pictogram(s): N/A

Precautionary Statement(s): Prevention: N/A

Response: N/A

Storage: N/A

Disposal: N/A

Descriptions of Hazards not otherwise classified: N/A

Percent of mixture with unknown acute toxicity: N/A

SECTION 3: INGREDIENT INFORMATION

Chemical Name	Common Name	CAS #	Concentration %
Water		7732-18-5	Trade Secret
Select Buffers		Trade Secret	Trade Secret
Select Stains		Trade Secret	Trade Secret

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with plenty of water. Remove contaminated clothing and launder before reuse as a precaution.

Inhalation: Move person to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs.

Symptoms: N/A

Recommendations for immediate medical care/special treatment: If exposure by any route causes irritation get medical advice/attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam.

Fire Hazards (Chemical): N/A

Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.

Precautions for Firefighters: Fire fighters should use self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

Rapid Differential Blue #3 Stain

Protective Equipment: See section 8

Environmental Precautions: Prevent release to the environment by using barriers.

Containment and Clean-Up Procedures: Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product.

Storage:

SECTION 8: EXPOSURE CONTROL AND PPE

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
N/A		

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
N/A			

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

Special PPE Requirements: If ventilation hood not available wear respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark Blue, Dark blue liquid

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point and Boiling Range: N/A

Melting Point/Freezing Point: N/A

Flash Point: N/A

Specific Gravity/Relative Density: N/A

Odor: N/A

Odor Threshold: N/A

Color: Dark Blue

Flammability (solid/gas): N/A

Vapor Density: N/A

Upper/Lower flammability or explosive limits: N/A

Vapor Pressure: N/A

Evaporation Rate: N/A

Partition Coefficient: n-octanol/water: N/A

Viscosity: N/A

Auto-ignition temperature: N/A

Solubility: Miscible in water

Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity: N/A

Rapid Differential Blue #3 Stain

Chemical Stability: Stable

Conditions of Stability/Instability: None

Stabilizers needed: None

Safety issue indicated by appearance change: N/A

Other: N/A

Hazardous Reactions: N/A

Hazardous Polymerization: Does not occur

Conditions to avoid: N/A

Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases

Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (I.e. Carbon monoxide) may be released in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes: May cause irritation with redness, pain and possible corneal damage.

Skin: May cause irritation with redness and pain.

Inhalation: May cause irritation of the mucous membranes with sore throat and coughing.

Ingestion:

Signs or Symptoms of Exposure: See above conditions.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.

Acute Toxicity (Numerical Measures):

Carcinogenicity (NTP, IARC, OSHA): Not listed as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Bioaccumulation Potential (octanol-water partition coefficient, BCF):

Mobility in the soil:

Adverse Environmental Effects:

SECTION 13: DISPOSAL CONSIDERATIONS

Recommended Disposal Containers: Check with your local waste authorities*

Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*

Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*

Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*

Waste Stream: Consult your local or regional authorities.*

SECTION 14: TRANSPORTATION INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name:

Transport Hazard Class(es):

Packing Group Number:

Environmental Hazards (IMDG code):

Marine Pollutant:

Transport in Bulk (IBC Code):

Special Transport Precautions:

Rapid Differential Blue #3 Stain

SECTION 15: REGULATORY INFORMATION

OSHA:

DOT:

EPA:

CPSC:

Rapid Differential Blue #3 Stain

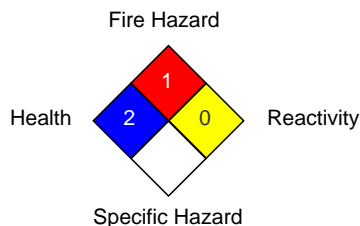
SECTION 16: OTHER INFORMATION

Revision Date: 07/17/2015

NFPA

Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	

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Rapid Differential Fixative #1 Stain

SECTION 1: IDENTIFICATION

Product Name: Rapid Differential Fixative #1 Stain **Restrictions on Use:** N/A
Synonyms: N/A **In Case of Emergency:**
Recommended Use: N/A
Manufacturer/Supplier: Pivotal

SECTION 2: HEALTH HAZARD INFORMATION

OSHA Hazard Classification(s):

Skin Irritation - Category 2
Eye Irritation - Category 2A
Specific Target Organ Toxicity (single exposure) - Category 1
Specific Target Organ Toxicity (repeated exposure) - Category 2
Flammable Liquids - Category 2

Signal Word: Danger

Hazard Statement(s): Causes skin irritation. Causes serious eye irritation. Causes damage to organs (respiratory system). May cause damage to organs (liver) through prolonged or repeated exposure. Highly flammable liquid and vapor.

Pictogram(s):



Precautionary Statement(s): Prevention: Wash body thoroughly after handling. Wear protective gloves. Wear eye protection, face protection. Do not breathe dust, vapors. Do not eat, drink or smoke when using this product. Keep away from heat sources and open flame. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Response: If on skin: Wash with plenty of water. Specific treatment (see first aid section on this label). If skin irritation or rash occurs: Get medical attention. Take off all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing If eye irritation persists: Get medical attention. If exposed or concerned: Call a doctor. Call a doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use water, dry chemical, CO₂ or foam to extinguish.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local regulations.

Descriptions of Hazards not otherwise classified: N/A

Percent of mixture with unknown acute toxicity: N/A

SECTION 3: INGREDIENT INFORMATION

Chemical Name	Common Name	CAS #	Concentration %
Methyl Alcohol	Methanol	67-56-1	>95%
Select Buffers		Trade Secret	Trade Secret
Select Stains		Trade Secret	Trade Secret

SECTION 4: FIRST AID MEASURES

Eye Contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Inhalation: Vapor harmful. Remove to fresh air; give artificial respiration if breathing has stopped. Get medical advice/attention if you

Rapid Differential Fixative #1 Stain

feel unwell.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Symptoms: Irritation eyes, nose, throat; headache, dizziness

Recommendations for immediate medical care/special treatment: Get medical advice/attention if you feel unwell.

Health Effects include irritation to eyes, skin, respiratory system, central nervous system, gastrointestinal tract.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors.

Fire Hazards (Chemical): Flammable Liquid Category 2 (OSHA)

Special Protective Equipment: Fire fighters should use self-contained breathing apparatus and protective clothing.

Precautions for Firefighters: Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

Protective Equipment: See section 8

Environmental Precautions: Prevent release to the environment by using barriers.

Containment and Clean-Up Procedures: Use barriers to prevent spreading. Collect spill in container. Call waste authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: EXPOSURE CONTROL AND PPE

OSHA Permissible Exposure Limits (PELs):

Reagent	CAS #	OSHA PEL TWA
Methyl Alcohol	67-56-1	200 ppm

ACGIH Threshold Limit Values (TLVs):

Reagent	CAS #	ACGIH PEL TLV	ACGIH STEL
Methyl Alcohol	67-56-1	200 ppm	250 ppm

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.

Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.

Special PPE Requirements: If ventilation hood not available wear respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green, Green Liquid

Molecular Weight: N/A

Molecular Formula: N/A

pH: N/A

Boiling Point and Boiling Range: 65°C

Melting Point/Freezing Point: -98°C

Rapid Differential Fixative #1 Stain

Flash Point: 11°C
Specific Gravity/Relative Density: 0.79
Odor: Vinous
Odor Threshold: N/A
Color: Green
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: LEL 6.0%, UEL 36%
Vapor Pressure: N/A
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: 385°C
Solubility: N/A
Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Chemical Stability: Stable
Conditions of Stability/Instability: N/A
Stabilizers needed: None
Safety issue indicated by appearance change: N/A
Other: N/A
Hazardous Reactions: N/A
Hazardous Polymerization: Does not occur
Conditions to avoid: Heat, open flame.
Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases
Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (I.e. Carbon monoxide) may be released in a fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eyes: Irritation.
Skin: Irritation.
Inhalation: Dizziness, headache.
Ingestion: May cause blindness, nausea

Signs or Symptoms of Exposure: Irritation to eyes, skin, nose, mucous membrane; headache, dermatitis, narcosis, coma, dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.

Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea. Target organs: eyes, skin, respiratory system, central nervous system, gastrointestinal tract.

Acute Toxicity (Numerical Measures): LD50=0.4 g/kg (oral, mouse); LD50=6.2 to 13 g/kg (oral, rat); LD50=14.4 g/kg (oral, rabbit); LD50 =20 ml/kg (dermal, rabbits)

Carcinogenicity (NTP, IARC, OSHA): Not listed as a carcinogen

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Persistence and degradability:
Bioaccumulation Potential (octanol-water partition coefficient, BCF):

Rapid Differential Fixative #1 Stain

Mobility in the soil:

Adverse Environmental Effects:

SECTION 13: DISPOSAL CONSIDERATIONS

Recommended Disposal Containers: Check with your local waste authorities.*

Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*

Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*

Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*

Waste Stream: Consult your local or regional authorities.*

SECTION 14: TRANSPORTATION INFORMATION

UN Number: UN1230

UN Proper Shipping Name: Methanol

Transport Hazard Class(es): 3

Packing Group Number: II

Environmental Hazards (IMDG code):

Marine Pollutant: No

Transport in Bulk (IBC Code):

Special Transport Precautions:

SECTION 15: REGULATORY INFORMATION

OSHA:

DOT:

EPA:

CPSC:

Rapid Differential Fixative #1 Stain

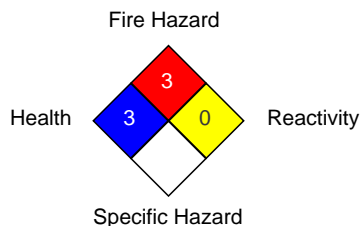
SECTION 16: OTHER INFORMATION

Revision Date: 07/17/2015

NFPA

Health	3
Fire Hazard	3
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



HMIS

Health	3
Flammability	3
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	3
Flammability	3
Physical Hazard	0
Personal Protection	

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