



Material Safety Data Sheet

MSDS: 206020

Effective Date: January 25, 2002

PRODUCT IDENTIFICATION AND COMPANY

Product Name: CDS Reticulocyte Reagent Set
Synonyms: None
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): 501-014

Manufacturer: Clinical Diagnostic Solutions, Inc.
1800 Northwest 65th Avenue
Plantation, FL 33313 USA

EMERGENCY PHONE: (954) 791-1773

COMPONENTS

<u>Component</u>	<u>CAS Number</u>
Reticulocyte Reagent A	None
Reticulocyte Reagent B	None

TRANSPORTATION INFORMATION

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT).
Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.



Material Safety Data Sheet

MSDS: 206013

Effective Date: January 25, 2002

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: Reticulocyte Reagent A
Synonyms: None
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): Component of 501-014
Manufacturer: Clinical Diagnostic Solutions, Inc.
1660 Northwest 65th Avenue, Suite 2
Plantation, FL 33313 USA

EMERGENCY PHONE: (954) 791-1773

SECTION II - INGREDIENTS

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
Contains no hazardous ingredients		

SECTION III – HAZARDS IDENTIFICATION

CDS Safety Information:

[1] Health
[0] Flammability
[0] Reactivity
[1] Contact

Code

0 = None
1 = Slight
2 = Caution
3 = Severe

Physical Hazards: None
Potential Health Effects: This product is not considered hazardous under OSHA, EU or WHMIS criteria.
Product Hazard Classification: OSHA – Not applicable
EU – Not applicable
WHMIS – Exempt

SECTION IV – FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water. If irritation occurs, seek medical attention.

Ingestion: Wash contact surfaces with water. Seek medical attention if swallowed.

Inhalation: Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately. Seek medical attention immediately.

Skin Contact: Wash affected area with water for at least 15 minutes. Remove contaminated clothing.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not applicable
Flammable Limits: Not applicable
Autoignition Temperature: Not applicable
Fire Extinguishing Media: Any. Non-flammable, does not support combustion.
Special Fire and Explosion Hazards: None
Hazardous Combustion Products: None
Firefighter Protective Equipment: Self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required. Use good laboratory practice.
Spills and Leaks: Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous solid waste. Disposal must comply with Federal, State and Local requirements.
Environmental Precautions: Contain spill to prevent contamination of surrounding areas.

SECTION VII - HANDLING AND STORAGE PRECAUTIONS

Handling Precautions: No special precautions required. Use good laboratory practice.
Storage Conditions: Store at 2 to 30°C (30 to 86°F).

SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits: OSHA – None established
ACGIH – None established
DFG MAK – None established
Engineering Controls: Use in well ventilated areas. No special controls required.
Respiratory Protection: Under normal use conditions, no respiratory protection is required.
Eye Protection: Safety glasses, goggles or face shield recommended.
Skin Protection: Latex or equivalent gloves recommended.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Vapor Pressure (mm Hg):	N/A
Melting Point:	N/A	Vapor Density (Air = 1):	N/A
Specific Gravity:	1.0 (Water = 1)	Evaporation Rate	
Solubility (water):	Miscible	(butyl acetate = 1):	N/A
Appearance and Color:	Clear, dark blue liquid	pH:	7.2

SECTION X - REACTIVITY DATA

Stability: Stable at normal temperatures and pressures.
Conditions to Avoid: Keep away from aqueous-sensitive materials. Avoid freezing.
Hazardous Incompatibility: None
Decomposition Products: None

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity of Hazardous Ingredients:	None
Primary Routes of Exposure:	Contact with eyes, mucous membranes, skin, and ingestion.
Effects of Acute Exposure:	None identified.
Effects of Chronic Exposure:	None identified.
Symptoms of Overexposure:	None identified.
Carcinogenicity:	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.
Other Effects:	None known.
Conditions Aggravated by Exposure:	None known.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	No information available.
Biodegradability:	No information available.
Mobility:	No information available.

SECTION XIII – WASTE DISPOSAL

Waste Disposal:	Waste disposal must comply with Federal, State and Local requirements. Contact local authorities for information.
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SECTION XIV – TRANSPORT INFORMATION

Transport Regulations:	Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.
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SECTION XV – REGULATORY INFORMATION

US Regulatory Information:	
SARA 313:	New Methylene Blue is subject to reporting requirements of Section 313, Title III of SARA.
California Proposition 65:	None listed.
Massachusetts MSL:	New Methylene Blue is listed.
New Jersey Dept. of Health RTK:	New Methylene Blue is listed.
Pennsylvania RTK:	New Methylene Blue is listed.
Florida Substance List:	New Methylene Blue is listed.
Canada:	Product is exempt from WHMIS and MSDS requirements.
EU:	Not classified.
Ingredients on Disclosure List:	None
Ingredients with Unknown Toxicological Properties:	None

SECTION XVI – OTHER INFORMATION

For further information, please contact Clinical Diagnostic Solutions, Inc.

Clinical Diagnostic Solutions, Inc. believes the information contained herein to be valid and accurate. No warranties or representations are made or implied as to its validity, accuracy or currency. Clinical Diagnostic Solutions, Inc. shall not be liable or otherwise responsible in any way for the use of this information. Disposal of hazardous materials may be subject to local laws or regulation.



Material Safety Data Sheet

MSDS: 206014

Effective Date: January 25, 2002

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: Reticulocyte Reagent B
Synonyms: None
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): Component of 501-014

Manufacturer: Clinical Diagnostic Solutions, Inc.
1660 Northwest 65th Avenue, Suite 2
Plantation, FL 33313 USA

EMERGENCY PHONE: (954) 791-1773

SECTION II - INGREDIENTS

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
Contains no hazardous ingredients		

SECTION III - HAZARDS IDENTIFICATION

CDS Safety Information:

[1] Health
[0] Flammability
[0] Reactivity
[2] Contact

Code

0 = None
1 = Slight
2 = Caution
3 = Severe

Physical Hazards: None
Potential Health Effects: May be irritating to eyes, skin and mucous membranes.
Product Hazard Classification: OSHA – Hazardous
EU – Not applicable
WHMIS – Exempt

SECTION IV - FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with water. If irritation occurs, seek medical attention.

Ingestion: Wash contact surfaces with water. Contact poison control center or seek medical attention if swallowed.

Inhalation: Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately. Seek medical attention immediately.

Skin Contact: Wash affected area with water for at least 15 minutes. Remove contaminated clothes.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not applicable
Flammable Limits: Not applicable
Autoignition Temperature: Not applicable
Fire Extinguishing Media: Any. Does not support combustion.
Special Fire and Explosion Hazards: None
Hazardous Combustion Products: None
Firefighter Protective Equipment: Self-contained breathing apparatus.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin and eye contact. Use good laboratory practice.
Spills and Leaks: Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous solid waste. Disposal must comply with Federal, State and Local requirements.
Environmental Precautions: Contain spill to prevent contamination of surrounding areas.

SECTION VII - HANDLING AND STORAGE PRECAUTIONS

Handling Precautions: Avoid eye and skin contact. Use good laboratory practice.
Storage Conditions: Store at 2 to 30°C (30 to 86°F).

SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits: OSHA – Sulfuric Acid – 1 mg/m³ TWA
ACGIH – Sulfuric Acid – 3 mg/m³ STEL; 1 mg/m³ TWA
DFG MAK – Sulfuric Acid – 0.1 mg/m³ MAK; Category I
Engineering Controls: Use in well ventilated areas. No special controls required.
Respiratory Protection: Under normal use conditions, no respiratory protection is required.
Eye Protection: Safety glasses, goggles or face shield recommended.
Skin Protection: Latex or equivalent gloves recommended.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Vapor Pressure (mm Hg):	N/A
Melting Point:	N/A	Vapor Density (Air = 1):	N/A
Specific Gravity:	1.03 (Water = 1)	Evaporation Rate	
Solubility (water):	Miscible	(butyl acetate = 1):	N/A
Appearance and Color:	Clear, colorless liquid	pH:	1.8

SECTION X - REACTIVITY DATA

Stability: Stable at normal temperatures and pressures.
Conditions to Avoid: Avoid freezing. Keep away from incompatible materials.
Hazardous Incompatibility: Strong bases
Decomposition Products: None

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity of Hazardous Ingredients:	Sulfuric Acid – Inhalation: LC50 Rat – 510 mg/m ³ Inhalation: LC50 Mouse – 320 mg/m ³ /2H Oral: LD50 – 2140 mg/kg
Primary Routes of Exposure:	Contact with eyes, mucous membranes, skin, and ingestion.
Effects of Acute Exposure:	Contact with eyes, mucous membranes and ingestion may result in irritation and/or inflammation.
Effects of Chronic Exposure:	Similar to effects of acute exposure.
Symptoms of Overexposure:	May include burning, redness and watering of eyes, irritation of mucous membranes and skin, and coughing, difficult breathing, nausea and vomiting.
Carcinogenicity:	Sulfuric Acid is listed with OSHA as a carcinogen; IARC as Group I carcinogen to humans; ACGIH as A2 Suspected Human Carcinogen.
Other Effects:	Reproductive effects have been reported in animal studies.
Conditions Aggravated by Exposure:	Eye and skin disorders may be aggravated by exposure to this product.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to fish and other marine organisms.
Biodegradability:	No information available.
Mobility:	No information available.

SECTION XIII – WASTE DISPOSAL

Waste Disposal:	Waste disposal must comply with Federal, State and Local requirements. Contact local authorities for information.
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SECTION XIV – TRANSPORT INFORMATION

Transport Regulations:	Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.
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SECTION XV – REGULATORY INFORMATION

US Regulatory Information:	
SARA 313:	Sulfuric Acid is subject to reporting requirements of Section 313, Title III of SARA
California Proposition 65:	No compounds listed.
Massachusetts MSL:	Sulfuric Acid is listed.
New Jersey Dept. of Health RTK:	Sulfuric Acid is listed.
Pennsylvania RTK:	Sulfuric Acid is listed.
Florida Substance List:	Sulfuric Acid is listed.
Canada:	Product is exempt from WHMIS and MSDS requirements.
EU:	Not classified.
Ingredients on Disclosure List:	Sulfuric Acid
Ingredients with Unknown Toxicological Properties:	Exempt product

SECTION XVI – OTHER INFORMATION

For further information, please contact Clinical Diagnostic Solutions, Inc.

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