



Material Safety Data Sheet

MSDS: 206005

Effective Date: January 24, 2002

PRODUCT IDENTIFICATION AND COMPANY

Product Name: CDS 5-PD Reagent Set
Synonyms: 5-Part Differential Reagent Set for Coulter Analyzers
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): 501-009

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>
5-PD Lytic Reagent	None
5-PD Quench Reagent	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: 206003

Effective Date: January 24, 2002

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: 5-PD Lytic Reagent
Synonyms: Lyse
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): Component of 501-009
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.
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:	~ 100°C	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, colorless liquid	pH:	2.9

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:	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:	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.
Other Effects:	None known.
Conditions Aggravated by Exposure:	Eye and skin disorders may be aggravated by exposure to this product.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	Possibly toxic to fish and water-borne 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:	None listed.
California Proposition 65:	None listed.
Massachusetts MSL:	Sodium sulfate is listed.
New Jersey Dept. of Health RTK:	None listed.
Pennsylvania RTK:	Sodium sulfate is listed.
Florida Substance List:	None listed.
Canada:	Product is exempt from WHMIS and MSDS requirements.
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: 206004

Effective Date: January 24, 2002

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: 5-PD Quench Reagent
Synonyms: None
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): Component of 501-009

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>
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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: None
Product Hazard Classification: OSHA – Not listed
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:	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:	None identified. 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.
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:	~100°C	Vapor Pressure (mm Hg):	N/A
Melting Point:	N/A	Vapor Density (Air = 1):	N/A
Specific Gravity:	1.05 (Water = 1)	Evaporation Rate	
Solubility (water):	Miscible	(butyl acetate = 1):	N/A
Appearance and Color:	Clear, colorless liquid	pH:	9.7

SECTION X - REACTIVITY DATA

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

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity of Hazardous Ingredients:	None
Primary Routes of Exposure:	Contact with eyes, mucous membranes, skin and inhalation.
Effects of Acute Exposure:	None
Effects of Chronic Exposure:	None
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 identified

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 under US DOT, IATA, ICAO, Canadian TDG or European ADR.
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SECTION XV – REGULATORY INFORMATION

US Regulatory Information:	
SARA 313:	None listed
California Proposition 65:	No compounds listed.
Massachusetts MSL:	Sodium sulfate is listed.
New Jersey Dept. of Health RTK:	None listed.
Pennsylvania RTK:	Sodium sulfate is listed.
Canada:	Product is exempt from WHMIS and MSDS requirements.
EU:	No dangerous ingredients listed.
Ingredients on Disclosure List:	None
Ingredients with Unknown Toxicological Properties:	Exempt product

SECTION XVI – OTHER INFORMATION

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

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