



Material Safety Data Sheet

MSDS: 206063

Effective Date: January 29, 2002

SECTION I - PRODUCT IDENTIFICATION AND COMPANY

Product Name: CDS Enzymatic Cleaner Concentrate
Synonyms: Enzyme-based cleaner
NIOSH/RTECS Number: None
CAS No.: None

Product Number(s): 501-063 (2 x 50 mL), 501-074 (2 x 15 mL)

Manufacturer: Clinical Diagnostic Solutions, Inc.
1800 Northwest 65th Avenue
Plantation, FL 33313 USA
EMERGENCY PHONE: (954) 791-1773

SECTION II - INGREDIENTS

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
Buffer (proprietary)	2% w/v	--
Propylene glycol	<2.5% w/v	57-55-6
Subtilisin	<2.5% w/v	9014-01-1

SECTION III - HAZARDS IDENTIFICATION

CDS Safety Information:

	<u>Code</u>
[1] Health	0 = None
[0] Flammability	1 = Slight
[0] Reactivity	2 = Caution
[0] Contact	3 = Severe

Physical Hazards: None
Potential Health Effects: Potential irritant to eyes and skin. Allergen or sensitizer if inhaled.
Product Hazard Classification: OSHA - Hazardous
EU - Not applicable
WHMIS - Not applicable

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. Seek medical attention if signs of irritation occur.

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:	Avoid contact with eyes and skin. Prevent aerosol formation. Use good laboratory practice.
Storage Conditions:	Store at 4 to 35°C (40 to 95°F).

SECTION VIII - EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits:	OSHA - None established ACGIH - Subtilisin: TLV - C 0.00006 mg/m ³ ; STEL/C - 0.00006 mg/m ³ Irritation of lung, immune sensitization. DFG MAK - None established
Engineering Controls:	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

Bolling 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, amber liquid	pH:	7.6

SECTION X - REACTIVITY DATA

Stability:	Stable at normal temperatures and pressures.
Conditions to Avoid:	Avoid freezing.
Hazardous Incompatibility:	None
Decomposition Products:	None

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity of Hazardous Ingredients:	Propylene glycol: Ingestion: LD50 (Mammal) = 10,000 – 33,700 mg/kg Skin: LD50 (Rabbit) = 20,800 mg/kg Subtilisin: Ingestion: LD50 (Rat) = 2,000 mg/kg
Primary Routes of Exposure:	Contact with eyes, mucous membranes, and skin
Effects of Acute Exposure:	Irritant to eyes, mucous membranes and skin. Immune sensitization possible through inhalation.
Effects of Chronic Exposure:	Similar to acute exposure.
Symptoms of Overexposure:	Irritation of eyes, skin and mucous membranes.
Carcinogenicity:	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.
Other Effects:	None known.
Conditions Aggravated by Exposure:	Inhalant allergies.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	Potentially 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: None listed.

California Proposition 65: None listed.

Massachusetts MSL: None listed.

New Jersey Dept.
of Health RTK: None listed.

Pennsylvania RTK: None listed.

Florida Substance List: None listed.

EU: No dangerous ingredients.

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.

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