



## Material Safety Data Sheet

MSDS: 206063

Effective Date: January 29, 2002

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### SECTION I - PRODUCT IDENTIFICATION AND COMPANY

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

**Product Number(s):** 501-063, 501-074

**Manufacturer:** Clinical Diagnostic Solutions, Inc.  
1800 Northwest 65<sup>th</sup> Avenue  
Plantation, FL 33313 USA

**EMERGENCY PHONE:** (954) 791-1773

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### SECTION II - INGREDIENTS

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<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

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### SECTION III - HAZARDS IDENTIFICATION

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**CDS Safety Information:**

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

**Code**  
0 = None  
1 = Slight  
2 = Caution  
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

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### SECTION IV - FIRST AID MEASURES

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**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.

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**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

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

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**SECTION VI – ACCIDENTAL RELEASE MEASURES**

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<b>Personal Precautions:</b>	No special precautions required. Use good laboratory practice.
<b>Spills and Leaks:</b>	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.
<b>Environmental Precautions:</b>	Contain spill to prevent contamination of surrounding areas.

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**SECTION VII - HANDLING AND STORAGE PRECAUTIONS**

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<b>Handling Precautions:</b>	Avoid contact with eyes and skin. Prevent aerosol formation. Use good laboratory practice.
<b>Storage Conditions:</b>	Store at 2 to 30°C (30 to 86°F).

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**SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION**

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<b>Exposure Limits:</b>	OSHA – None established ACGIH – Subtilisin: TLV – C 0.00006 mg/m <sup>3</sup> ; STEL/C – 0.00006 mg/m <sup>3</sup> Irritation of lung, immune sensitization. DFG MAK – None established
<b>Engineering Controls:</b>	No special controls required.
<b>Respiratory Protection:</b>	Under normal use conditions, no respiratory protection is required.
<b>Eye Protection:</b>	Safety glasses, goggles or face shield recommended.
<b>Skin Protection:</b>	Latex or equivalent gloves recommended.

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**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Boiling Point:</b>	N/A	<b>Vapor Pressure (mm Hg):</b>	N/A
<b>Melting Point:</b>	N/A	<b>Vapor Density (Air = 1):</b>	N/A
<b>Specific Gravity:</b>	1.03 (Water = 1)	<b>Evaporation Rate</b>	
<b>Solubility (water):</b>	Miscible	<b>(butyl acetate = 1):</b>	N/A
<b>Appearance and Color:</b>	Clear, amber liquid	<b>pH:</b>	7.6

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**SECTION X - REACTIVITY DATA**

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

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SECTION XI – TOXICOLOGICAL INFORMATION

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<b>Toxicity of Hazardous Ingredients:</b>	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
<b>Primary Routes of Exposure:</b>	Contact with eyes, mucous membranes, and skin
<b>Effects of Acute Exposure:</b>	Irritant to eyes, mucous membranes and skin. Immune sensitization possible through inhalation.
<b>Effects of Chronic Exposure:</b>	Similar to acute exposure.
<b>Symptoms of Overexposure:</b>	Irritation of eyes, skin and mucous membranes.
<b>Carcinogenicity:</b>	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP or OSHA.
<b>Other Effects:</b>	None known.
<b>Conditions Aggravated by Exposure:</b>	Inhalant allergies.

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SECTION XII – ECOLOGICAL INFORMATION

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<b>Ecotoxicity:</b>	Potentially toxic to fish and other marine organisms.
<b>Biodegradability:</b>	No information available.
<b>Mobility:</b>	No information available.

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SECTION XIII – WASTE DISPOSAL

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

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<b>Transport Regulations:</b>	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

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**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.

<b>EU:</b>	No dangerous ingredients.
<b>Canada:</b>	Product is exempt from WHMIS and MSDS requirements.
<b>Ingredients on Disclosure List:</b>	None
<b>Ingredients with Unknown Toxicological Properties:</b>	None

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SECTION XVI – OTHER INFORMATION

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

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