



## Material Safety Data Sheet

**MSDS:** 206079

**Effective Date:** April 5, 2007

---

### SECTION I - PRODUCT IDENTIFICATION AND COMPANY

---

**Product Name:** CDS Lytic Reagent Cyanide Free (Abbott Cell-Dyn® 1800)  
**Synonyms:** Lysing agent for Abbott C-D 1800 Hematology Analyzer  
**NIOSH/RTECS Number:** None  
**CAS No.:** None

**Product Number(s):** 501-084 (950 mL), 501-085 (4 L)  
**Manufacturer:** Clinical Diagnostic Solutions, Inc.  
1800 Northwest 65<sup>th</sup> Avenue  
Plantation, FL 33313 USA

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

---

### SECTION II - INGREDIENTS

---

<u>Component</u>	<u>Concentration</u>	<u>CAS Number</u>
------------------	----------------------	-------------------

Quaternary ammonium salt	< 3.8% w/v	*
--------------------------	------------	---

\*The identities of these components have been withheld as a trade secret. All hazard and property information is included in this MSDS.

---

### SECTION III – HAZARDS IDENTIFICATION

---

**CDS Safety Information:**

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

**Code**

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

**Physical Hazards:** None  
**Potential Health Effects:** Contact irritant for eyes 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.

---

---

SECTION V - FIRE AND EXPLOSION HAZARD DATA

---

---

<b>Flashpoint:</b>	Not applicable
<b>Flammable Limits:</b>	Not applicable
<b>Autoignition Temperature:</b>	Not applicable
<b>Fire Extinguishing Media:</b>	Any. 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.

---

---

SECTION VI – ACCIDENTAL RELEASE MEASURES

---

---

<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.

---

---

SECTION VII - HANDLING AND STORAGE PRECAUTIONS

---

---

<b>Handling Precautions:</b>	Avoid eye and mucous membrane contact. Use good laboratory practice.
<b>Storage Conditions:</b>	Store at 4 to 35°C (39 to 95°F).

---

---

SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION

---

---

<b>Exposure Limits:</b>	OSHA – None established ACGIH – None established DFG MAK – None established
<b>Engineering Controls:</b>	Use in well ventilated areas.
<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.

---

---

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

---

---

<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>	1.00 (Water = 1)	<b>Evaporation Rate (butyl acetate = 1):</b>	N/A
<b>Solubility (water):</b>	Miscible	<b>pH:</b>	7.0 – 8.0
<b>Appearance and Color:</b>	Clear, colorless liquid		

---

---

SECTION X - REACTIVITY DATA

---

---

<b>Stability:</b>	Stable at normal temperatures and pressures.
<b>Conditions to Avoid:</b>	Avoid freezing. Keep away from incompatible materials.
<b>Hazardous Incompatibility:</b>	Strong acids, strong oxidizers
<b>Decomposition Products:</b>	None

---

---

SECTION XI – TOXICOLOGICAL INFORMATION

---

---

<b>Toxicity of Hazardous Ingredients:</b>	Quaternary ammonium salt: Ingestion: LD50 (Mouse) = 536 mg/kg Skin: LD50 (Mouse) = 1600 mg/kg
<b>Primary Routes of Exposure:</b>	Contact with eyes, mucous membranes, skin and inhalation.
<b>Effects of Acute Exposure:</b>	Eyes: Severe burns, irritation, possible loss of sight. Inhalation: Coughing, difficulty in breathing Skin: Irritation and redness Ingestion: Burning in mouth throat, stomach; nausea, vomiting, diarrhea, shock and loss of consciousness. Full toxicological properties have not been determined for this product.
<b>Effects of Chronic Exposure:</b>	Eye, inhalation and skin effects are similar to acute exposure. No long-term effects of ingestion have been reported in humans.
<b>Symptoms of Overexposure:</b>	Eyes: Redness, burning and watering. Inhalation: Coughing, difficulty in breathing, depression and coma. Skin: Redness, dry, cracking. Ingestion: Burning mouth, throat, stomach, nausea, vomiting, diarrhea, shock and loss of consciousness.
<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>	Acute or chronic eye and skin conditions may be aggravated by this product.

---

---

SECTION XII – ECOLOGICAL INFORMATION

---

---

<b>Ecotoxicity:</b>	Toxic to fish and other water-borne organisms.
<b>Biodegradability:</b>	No information available.
<b>Mobility:</b>	No information available.

---

---

SECTION XIII – WASTE DISPOSAL

---

---

<b>Waste Disposal:</b>	Waste disposal must comply with Federal, State and Local requirements. Contact local authorities for information.
------------------------	---

---

---

SECTION XIV – TRANSPORT INFORMATION

---

---

<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.
-------------------------------	--

---

---

SECTION XV – REGULATORY INFORMATION

---

**US Regulatory Information:**

SARA 313: No compounds listed.  
California Proposition 65: No compounds listed.  
Massachusetts MSL: No compounds listed.  
New Jersey Dept. of Health RTK: No compounds listed.  
Pennsylvania RTK: No compounds listed.

**Canada:** No compounds listed.  
**EU:** No dangerous ingredients listed.  
**Ingredients on Disclosure List:** No dangerous ingredients listed.  
**Ingredients with Unknown Toxicological Properties:** Exempt product

---

---

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.