



## SECTION 1: IDENTIFICATION

Product Name: CDS 3-PD/C Lytic Reagent  
Part Number: 501-020

**Application of the substance / mixture:** For In Vitro Diagnostic Use

### Manufacturer/Supplier

Address: Clinical Diagnostic Solutions, Inc.  
1800 NW 65th Avenue  
Plantation FL, 33313, USA  
Phone No: +1 954 791 1773  
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## SECTION 2: HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910

#### Pictogram



**Signal Word:** Danger

#### Hazard statement(s)

H315 May cause skin irritation  
H318 Causes serious eye damage  
H400 Very toxic to Aquatic Life

#### Precautionary statement(s)

P264 Wash thoroughly after handling  
P280 Wear eye protection/ face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse  
P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P501 Dispose of contents/ container to an approved waste disposal plant.



## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CAS-No. | Component           | Classification | Concentration |
|---------|---------------------|----------------|---------------|
| -       | Proprietary Mixture | -              | -             |

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most important symptoms and effects, both acute and delayed

None

#### Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: FIREFIGHTING MEASURES

### · Suitable extinguishing agents

Dry chemical, carbon dioxide (CO<sub>2</sub>), water spray or regular foam.

- Caution: CO<sub>2</sub> will displace air in confined spaces and may cause an oxygen-deficient atmosphere.

### · Special hazards arising from the substance or mixture

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### · Personal precautions, protective equipment and emergency procedures

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected people away.

### · Environmental precautions

Prevent liquid from entering sewage system, storm drains, surface waters, and soil.

### · Methods and material for containment and cleaning up

Block small volumes of spilled or splattered product with paper towels or similar materials.



- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material Suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

**Clean the affected area. Suitable cleaners are:**

- Detergent or similar cleansing agent.

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

## SECTION 7: HANDLING AND STORAGE

- **Precautions for safe handling:** Use personal protective equipment required by the Laboratory.
- **Measure to prevent fire:** No special measures required.
- **Storage requirements:** Store only in the original container. Store in a cool (5 - 35 °C), dry place away from away from heat and direct sunlight.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with Occupational Exposure Limits

| Substance name                    | Concentration | CAS No   | Occupational exposure limits |
|-----------------------------------|---------------|----------|------------------------------|
| Dodecyltrimethylammonium chloride | <3.5%         | 112-00-5 | Not available                |

### Exposure controls

#### Personal protective equipment

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the work shift.

#### · Breathing equipment:

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Hazardous Materials Emergencies or Firefighting - use NIOSH/NFPA-approved respiratory protection.

#### · Hand protection:

Wear water-resistant gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

#### · Material of gloves and breakthrough time of the glove material:

The glove material must be suitable for use in a clinical chemistry laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.



- **Eye protection:**  
Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.
- **Body protection:**  
Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property                  | Value   |
|---------------------------|---|
| Physical state            | Liquid  |
| Color                     | Tinted yellow                                 |
| Odor                      | Odorless                                      |
| pH-value at 20 °C (68 °F) | 9.60  |
| Melting point             | Not determined                                |
| Boiling point             | Not determined                                |
| Flash point               | Not applicable                                |
| Flammability (solid, gas) | Non flammable                                 |
| Auto igniting             | Product is not self-igniting.                 |
| Danger of explosion       | Product does not present an explosion hazard. |
| Vapor density             | Not applicable                                |
| Density at 20 °C (68 °F)  | 1 g/mL  |
| Solubility in water       | Completely soluble                            |

## SECTION 10: STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** Reacts with strong acids and bases.
- **Conditions to avoid:** Sunlight, warmth, heat and fire.
- **Incompatible materials:** Strong acids and bases.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

No data available

### Dermal

No data available

### Skin corrosion/irritation

No data available



**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

## SECTION 12: ECOLOGICAL INFORMATION

· **Toxicity:** No further relevant information available.

· **Marine pollutant:** No

· **Additional Ecological Information**

· **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

## SECTION 13: DISPOSAL CONSIDERATIONS

CLASSIFICATION OF WASTE

Hazardous waste:

YES

NO

HANDLING OF WASTE

General information:

Before handling waste, see section 8 Exposure controls/Personal protection. During application the product may have been contaminated with hazardous substances, which properties in the waste may not be the same as the original product's properties. It is therefore always the user's responsibility to classify the waste. Hazardous waste must be transported by an approved transporter. For regular transport of hazardous waste, the user is responsible for providing a transport document. Dispose in accordance with federal, state and local regulations.

Handling of packaging:

Clean packages can be recycled. Refer to applicable local regulations and institutional policies.

## SECTION 14: TRANSPORT INFORMATION

**DOT (US):**

Not dangerous goods

**IMDG:**

Not dangerous goods

**IATA:**

Not dangerous goods



## SECTION 15: REGULATORY INFORMATION

• **SARA 302/304 (40CFR355.30 / 40CFR355.40):**

The following components are subject to reporting levels established by SARA Title III, Section 302:

Potassium cyanide            CAS 151-50-8

Arquad 12-50

• **SARA 313 (40CFR372.65):**

Isopropanol 35-45

**SARA 311/312 Hazards**

Acute health hazard

• **California Proposition 65 (USA):**

• **Chemicals known to cause cancer:**

None of the ingredients is listed.

• **Chemicals known to cause female reproductive toxicity:**

None of the ingredients is listed.

• **Chemicals known to cause male reproductive toxicity:**

None of the ingredients is listed.

• **Chemicals known to cause developmental reproductive toxicity:**

None of the ingredients is listed.

**Pennsylvania Right to Know Components**

Isopropanol

CAS 67-63-0

Tetradonium Bromide

CAS 1119-97-7

Potassium Cyanide

CAS 151-50-8

**New Jersey Right to Know Components**

Isopropanol

CAS 67-63-0

Tetradonium Bromide

CAS 1119-97-7

Potassium Cyanide

CAS 151-50-8

**Massachusetts Right to Know Components**

Isopropanol

CAS 67-63-0

Potassium Cyanide

CAS 151-50-8



## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

|                    |   |
|--------------------|---|
| CAS No:            | Chemical Abstracts Service number.  |
| CMR properties:    | Carcinogenic, Mutagenic or toxic for Reproduction   |
| STOT SE            | Specific target organ toxicity - single exposure  |
| LC <sub>50</sub> : | Lethal Concentration. In ecotoxicology, the LC <sub>50</sub> is the concentration which kills 50 % of a population of one species, within a specified period of time.                           |
| LD <sub>50</sub> : | Lethal Dose. The LD <sub>50</sub> is the dose of a substance which kills 50 % of a population of one species and is expressed as weight (mg, g) or as weight per weight of test animal (mg/kg). |
| pH:                | pH is a measure of the acidity or basicity of an aqueous solution.<br>The symbol for the acid dissociation constant at logarithmic scale.   |
| pKa:               |   |
| ppm:               | parts per million.  |
| vPvB substance:    | Very persistent and very bioaccumulative substance.   |
| WEL:               | Workplace Exposure Limits.  |

### Contact

General information about this product:  
Clinical Diagnostic Solutions, Inc.  
1800 NW 65<sup>th</sup> Ave.  
Plantation, FL 33313