



## SECTION 1: IDENTIFICATION

Product Name: CDS K-Series Lytic Reagent  
Part Number: 501-136

**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  
Fax No: +1 954 791 7118

## SECTION 2: HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture

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

#### Pictogram



**Signal Word:** Warning

#### Hazard statement(s)

H319 Causes serious eye irritation

#### Precautionary statement(s)

P264 Wash thoroughly after handling

P280 Wear eye protection/ face protection.

P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.



## 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 spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbants 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
1-dodecanaminium, n,n,n-trimethyl-, chloride	< 1.0 %	112-00-5	No occupational exposure limit values available.
Isopropanol	< 1.0 %	67-63-0	TWA 200 ppm. ACGIH (TLV)
Tetradecyltrimethylammonium Chloride	< 0.1 %	1119-97-7	No occupational exposure limit values 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 spatters 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	Colorless liquid
Odor	Odorless
pH-value at 20 °C (68 °F)	10.36
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):**

Potassium Cyanide  
Arquad 12-50

CAS 151-50-8

**· SARA 313 (40CFR372.65):**

Isopropanol CAS 67-63-0

**SARA 311/312 Hazards**

No SARA Hazards

**· 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**

Cetrimonium Bromide

CAS 57-09-0

Potassium Cyanide

CAS 151-50-8

Tetradonium Bromide

CAS 1119-97-7

Isopropanol

CAS 67-63-0

Dodecyltrimethylammonium Chloride

CAS 112-00-5

**New Jersey Right to Know Components**

Cetrimonium Bromide

CAS 57-09-0

Potassium Cyanide

CAS 151-50-8

Tetradonium Bromide

CAS 1119-97-7

Isopropanol

CAS 67-63-0

Dodecyltrimethylammonium Chloride

CAS 112-00-5

**Massachusetts Right to Know Components**

Potassium Cyanide

CAS 151-50-8

Isopropanol

CAS 67-63-0



## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

CAS No:	Chemical Abstracts <b>S</b> ervice number.
CMR properties:	Carcinogenic, <b>M</b> utagenic or toxic for <b>R</b> eproduction
STOT SE	Specific target organ toxicity - single exposure
LC <sub>50</sub> :	<b>L</b> ethal <b>C</b> oncentration. 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> :	<b>L</b> ethal <b>D</b> ose. 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.
pKa:	The symbol for the acid dissociation constant at logarithmic scale.
ppm:	<b>p</b> arts <b>p</b> er <b>m</b> illion.
vPvB substance:	<b>V</b> ery <b>p</b> ersistent and <b>v</b> ery <b>b</b> ioaccumulative substance.
WEL:	<b>W</b> orkplace <b>E</b> xposure <b>L</b> imits.

### · **Contact**

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