Clinical Diagnostic Solutions, Inc.

Safety Data Sheet

According to U.S. OSHA 29 CFR 1910.1200

SDS # 206159C REV 05.11.15

SECTION 1: IDENTIFICATION

Product Name:	CDS CN-Free HGB Lyse Reagent 3200
Part Number:	501-083
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)

H315	May cause skin irritation
H319	Causes serious eye irritation
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.
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.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
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 (CO2), water spray or regular foam.
- Caution: CO2 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	< 4.5 %	112-00-5	No occupational exposure limit values.

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)	7.00
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

Recommendation for disposal of unused product:
Dispose in accordance with federal, state and local regulations.

Recommendation for disposal of packaging:
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and Institutional policies.
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
· Recommended cleansing agent: Water with cleansing agents, if necessary.

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):**
Arquad 12-50

· **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

Tetradonium Bromide	CAS 1119-97-7
Disodium hydrogenorthophosphate	CAS 7558-79-4
Sodium dihydrogenorthophosphate monohydrate	CAS 10049-21-5
Isopropanol	CAS 67-63-0

New Jersey Right to Know Components

Tetradonium Bromide	CAS 1119-97-7
Disodium hydrogenorthophosphate	CAS 7558-79-4
Sodium dihydrogenorthophosphate monohydrate	CAS 10049-21-5
Isopropanol	CAS 67-63-0

Massachusetts Right to Know Components

Isopropanol	CAS 67-63-0
Disodium hydrogenorthophosphate	CAS 7558-79-4

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

CAS No:	**C**hemical **A**bstracts **S**ervice number.
CMR properties:	**C**arcinogenic, **M**utagenic or toxic for **R**eproduction
STOT SE	Specific target organ toxicity - single exposure
LC_{50}:	**L**ethal **C**oncentration. In ecotoxicology, the LC_{50} is the concentration which kills 50 % of a population of one species, within a specified period of time.
LD_{50}:	**L**ethal **D**ose. The LD_{50} 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:	**p**arts **p**er **m**illion.
vPvB substance:	**V**ery **p**ersistent and **v**ery **b**ioaccumulative substance.
WEL:	**W**orkplace **E**xposure **L**imits.

· **Contact**

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