Coral Clinical Systems
A Division Of Tulip Diagnostics (P) Ltd.
Building E, Plot No. M-46/47, Phase IIIB, Verna Industrial Estate, Verna, Goa.

SAFETY DATA SHEET

Section 1: Identification of the substances/mixture and of the company undertaking

1.2 Product Identifier

Product Name : QUADRAPED™ Zinc Kit (Colorimetric Method)
Catalog Number : 1126240025

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture : QUADRAPED™ Zinc Kit is used for the determination of Zinc in serum .

1.3 Details of the supplier of the safety data sheet

Company Name : Coral Clinical Systems
(A Division of Tulip Diagnostics (P) Ltd.)
Tel : 91-832-6680121
Fax : 91-832-2887028
Email : coral@tulipgroup.com

1.4 Emergency Number

Emergency tel: +91-832-6624572 / +91-832-6680181

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification under CLP: The kit is a mixture containing hazardous components, notably sodium azide.

2.2 Label Elements

Label elements : NA
Precautionary statements: Avoid Contact with skin and eyes.
Dispose off waste in accordance to local guidelines.

2.3 Other Hazard

PBT: This product is not identified as a PBT/VPVB Substance.

Section 3 : Composition/ Information on Hazardous Ingredients

Section 3.1 Substances

Chemical Identity: In Vitro Diagnostic test for the determination of Zinc in serum.
Contains: Contains **sodium azide**, which may react with acids.

Section 4 : First aid measures

4.1 Description of first aid measures

Inhalation : If breathing becomes difficult, remove victim to fresh air. Seek medical attention immediately.

Ingestion : In case of consumption in large quantities. It is recommended to seek medical attention immediately.

Skin Contact : Wash with soap and water. Remove contaminated clothing.

Eye Contact : Rinse cautiously with water. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact : There may be mild irritation at the site of contact.
Eye contact : There may be irritation and redness.
Ingestion : Gastrointestinal discomfort
Inhalation : No symptoms

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment : Not applicable

Section 5 : Fire Fighting Measures

5.1 Extinguishing Media

Extinguishing Media : Suitable extinguishing media such as Water spray, carbon dioxide, dry chemical powder and foam for the surrounding fire should be used.

5.2 Special hazard arising from the substance or mixture

Exposure Hazard : Sodium azide may release toxic gases when heated.
Structural fire fighting gear and self contained breathing apparatus will provide adequate protection if this product is in a fire area.

5.3 Advice for fire fighters

Do not enter fire without proper protective equipment, including respiratory protection.

Section 6 : Accidental Release Measures

Section 6.1 Personal precautions, protective equipment and emergency procedures

1. Refer to section 8 of SDS for personal protection details.
2. Turn leaking containers leak side up prevent the escape of liquid.

6.2 Environmental precautions

Drains & Water ways : Keep the product away from drains, surface water and ground water.
Spill handling : For large spill mechanically collect with absorbent, do not wash into drains.
Disposal : Use closed containers; follow local hazardous waste regulations.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures :

- For small spills, clean up with paper/cloth or mop up and dispose off safely. Clean area of spillage down with plenty of water.

6.4 Reference to other sections

Refer to section 8 of SDS

Section 7 Handling and Storage

7.1 Precautions and safe handling

Do not reuse the reagent containers, bottles, caps or plugs due to the risks of contamination and the potential to compromise reagent performance. Appropriate biosafety practices should be used for materials contain or are suspected of containing infectious agents. Handle specimens, solid and liquid waste and test components in accordance with local regulations.

7.2 Conditions for safe storage , including any incompatibilities

Storage condition: Store in original container between 2˚C to 8˚C. Keep the container tightly closed and once opened must be closed back.
Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s)

Specific end use(s) : Refer Section 1.2

Section 8 Exposure Controls and Personal Protection

8.1 Control parameters

Workplace exposure limits: Contains no substance with occupational exposure limit values.

DNEL/PNEC Values

DNEL/PNEC : No data available

8.2 Exposure Controls

Engineering measures : A system of local / general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection : Respiratory Protection is not required under normal use of this product. If respiratory is needed, follow OSHA respirator regulations (29CFR1910.134) And, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne,concentration and presence of sufficient oxygen.

Eye and Skin Protection: Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.

Hand Protection : Wear appropriate nitrile gloves to prevent skin contact. Replace torn or punctured gloves promptly.

Other Engineering Controls : Eye wash stations and deluge showers

Section 9 : Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

L1 - Buffer Reagent

State	: Liquid	Evaporating rate(nBuAc = 1)	: NA
Colour	: Clear, Colourless solution	Freezing / Melting Point	: NA
Odour	: odourless	Boiling Point	: NA
Relative Vapour density(air = 1)	: NA	pH	: 8.2 ± 0.05
Specific Gravity (water = 1)	: NA	Vapour Pressure, mm Hg @ 20˚C	: NA
Solubility in Water	: Soluble	Viscosity	: NA

L2 - Colour Reagent

State	: Liquid	Evaporating rate(nBuAc = 1)	: NA
Colour	: Clear, Colourless solution	Freezing / Melting Point	: NA
Odour	: odourless	Boiling Point	: NA
Relative Vapour density(air = 1)	: NA	pH	: NA
Specific Gravity (water = 1)	: NA	Vapour Pressure, mm Hg @ 20˚C	: NA
Solubility in Water	: NA	Viscosity	: NA

Section 9.2 : Other Information

Other Information : No data available

Section 10 : Stability and Reactivity

10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage condition.

10.2 Chemical Stability

Chemically stable under indicated conditions of storage.

10.3 Possibilities of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperature or pressures are not expected.

10.4 Conditions to avoid

Heat , Acids and heavy metals

10.5 Incompatible materials

Strong Acids, copper lead and heavy metals.

10.6 Hazardous Decomposition Products

Nitrogen oxide.

Section 11 : Toxicological information

11.1 Information on Toxicological effects

Toxicity Values : No data available

11.2 Symptoms/routes of exposure

- Skin/eye irritation
- Harmful if swallowed

Section 12 : Ecological Information

12.1 Toxicity

Ecotoxicity values: No data available

12.2 Persistance and degradability

No data available

12.3 Bioaccumulation Potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT identification : This product is not identified as a PBT/vPvB substance.

12.5 Other adverse effects

Negligible ecotoxicity

Section 13 : Disposal Consideration

13.1 Waste treatment methods

Disposal operation: Dispose off in accordance with current legislation and local authority regulations as per established safety procedures.

Section 14 : Transportation Information

14.1 UN Number

N/A

14.2 Proper shipping name

N/A

14.3 Transport Hazard Class

N/A

14.4 Packing group

N/A

14.5 Environmental Hazard

Environmentally Hazardous: Reagents in this kit contain Sodium Azide. Improper disposal of sodium azide, such as flushing it down the drain can lead to contamination of wastewater treatment systems .

Marine pollutant : NA

14.6 Special precautions for user

Precautions: Zinc Kit contain sodium azide (NaN_3) as preservative. Flush drains with large volumes of water thoroughly after disposing off the fluids containing sodium azide.
Avoid cross contamination between reagents and samples.

Section 15 : Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulation: Applicable national/regional or local regulations.
Safe for all kinds of modes of transportation.

15.2 Chemical safety assessment

Sodium Azide

- Acute toxicity
- Environmental toxicity

Section 16 : Other Information

Other Information : This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Legal disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall b used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.