

## SAFETY DATA SHEET

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

#### 1.2 Product Identifier

**Product Name : QUADRAPED™ Magnesium Kit (Calmagite Method)**  
**Catalog Number : 1126160025**

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

**Use of substance/mixture : QUADRAPED™ Magnesium Kit** is used for the determination of Magnesium 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](mailto: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:** This product has no classification under CLP  
The product is regulated as an in vitro diagnostic medical device and is not considered hazardous in accordance with regulation (EC) No.1272/2008.

#### 2.2 Label Elements

**Label elements :** None are present

**Precautionary statements:** P264 : Wash Hand thoroughly after handling.  
Store at 2 to 8° C. Keep container tightly closed.

#### 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 Magnesium in serum.  
**Contains:** Contains no hazardous substances in reportable quantities under the CLP.

#### **Section 4 : First aid measures**

##### **4.1 Description of first aid measures**

**Inhalation :** Move 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 :** In case of contact, it is recommended to clean the affected area thoroughly with water and neutral soap. Get medical attention immediately.

**Eye Contact :** Rinse with water until the product has been eliminated. 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 :** There may be irritation of the throat

**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 carbon dioxide, dry chemical powder or polymer foam for the surrounding fire should be used.

##### **5.2 Special hazard arising from the substance or mixture**

**Exposure Hazard :** CO<sub>2</sub> , Nitrogen oxides.

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 adsorbants, 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 and kept in upright position to prevent leakage.

**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 protective 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	: Colourless	Freezing / Melting Point	: NA
Odour	: Mild to none	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	: Soluble	Viscosity	: NA

**L2 - colour Reagent**

State	: Liquid	Evaporating rate(nBuAc = 1)	: NA
Colour	: Reddish	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	: Soluble	Viscosity	: NA

**S - Magnesium Standard**

State	: Liquid	Evaporating rate(nBuAc = 1)	: NA
Colour	: Colourless	Freezing / Melting Point	: NA
Odour	: Odourless	Boiling Point	: NA

## Coral Clinical Systems

A Division Of Tulip Diagnostics (P) Ltd.

Building E, Plot No. M-46/47, Phase IIIB, Verna Industrial Estate, Verna, Goa.

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 : 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

Excessive heat , contamination with incompatible materials and direct sunlight.

#### 10.5 Incompatible materials

**Materials to avoid:** Strong acids and basis, strong oxidising reagent, Reactive halgen compound and Heavy metal salts.

#### 10.6 Hazardous Decomposition Products

CO<sub>2</sub> , nitrogen oxides

### Section 11 : Toxicological information

#### 11.1 Information on Toxicological effects

**Toxicity Values** : No data available

#### 11.2 Symptoms/routes of exposure

- **Eyes** : redness, stinging or burning sensation
- **Skin** : Irritation or dryness
- **Ingestion** : Gastrointestinal irritation

**Section 12 : Ecological Information**

**12.1 Toxicity**

Ecotoxicity values: No data available

**12.2 Persistence 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:** NA

**Marine pollutant :** NA

**14.6 Special precautions for user**

No special transportation precaution are required for this product when transported under normal conditions.

**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**

The mixture is assessed to present low to moderate hazard potential.

**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.