1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QBC Malaria Test Kit
Catalog Number: 253005 and 253037
Manufacturer: QBC Diagnostics, Inc.
168 Bradford Drive
Port Matilda, PA, 16870 USA
Telephone (814) 692-7661

In case of an emergency, spill, fire, exposure, or accident contact:

QBC Diagnostic Technical Support
866-265-1486

2. HAZARDS IDENTIFICATION

Risk Phrases:
21/22 Harmful if contact with skin and if swallowed

Safety Phrases:
24/25 Avoid contact with skin and eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Hazardous Ingredients (specific)</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Oxalate</td>
<td>583-52-8</td>
<td>34%</td>
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</tbody>
</table>

4. FIRST-AID MEASURES

Inhalation IF INHALED, supply fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
Skin Contact IF ON SKIN, immediately wash with soap and water and rinse thoroughly.

Eye Contact IF IN EYES, rinse the open eye with water for 15 minutes. Seek medical attention if irritation develops.

Ingestion IF SWALLOWED, immediately seek medical attention.

5. FIRE-FIGHTING MEASURES

Flammability Summary
Product is not known to be flammable, combustible, pyrophoric, or explosive.

Suitable Extinguishing Agents
CO₂, ABC Multipurpose Dry Chemical or Water Spray
Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Agents
Not Applicable

Protective Equipment
Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations
Use the personal protection equipment recommended in Section 8.

Measures for Environmental Protection
Wipe up with a damp sponge or mop.

Measures for Cleaning/Collecting
Use personal protection equipment recommended in Section 8 and be cautious if there is broken glass present. Use internal policy for cleaning-up and disposing of chemical contaminated sharps.

Refer to Section 13 for specific disposal information.

7. HANDLING AND STORAGE

Handling
Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosion and fires:
No special measures required.

Storage
Requirements to be met by storerooms and receptacles:
No special requirements

Information about storage in one common storage facility:
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment

- Respiratory Protection: Not necessary
- Hand Protection: Chemical resistant gloves (i.e. nitrile)
- Eye Protection: Safety glasses or face shield
- Body Protection: Protective work clothing (i.e. lab coat)

When the product is used as directed with human blood:

Use appropriate personal protection equipment as instructed in an internal blood borne pathogen exposure control plan.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: Solid
- Color: Orange/White
- Odor: Characteristic
- Melting Point: Undetermined
- Boiling Point: Undetermined
- Flash Point: Not Applicable
- Flammability: Product is not flammable
- Danger of Explosion: Product does not present an explosion hazard
- Density: Undetermined
- Solubility: Soluble
  - In Water: Soluble
- pH: Not Applicable
- Solvent Contents: 0.0%
- Solids Contents: 100%
10. STABILITY AND REACTIVITY

Thermal Decomposition
No decomposition if used according to specifications

Conditions to Avoid
None if used according to specifications

Dangerous Reactions
No dangerous reactions known

Dangerous Products of Decomposition
Carbon Monoxide (CO) and Carbon Dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
No acute toxicity effects known

Skin irritation/corrosion
No irritating effects known

Eye damage/irritation
No irritating effects known

Respiratory or skin sensitisation
No sensitizing effects known

Reproductive cell mutagenicity
Contains mutagen

Subchronic Data – Acridine Orange
Bacteria Mutation: 10 mmol/L
DNA Damage Rodent-mouse ascites tumor: 20 µmol/L
DNA Adduct – fish, salmon sperm: 40 nmol/L

Carcinogenicity
No carcinogenic effects known

Reproductive Toxicity
No reproductive toxicity effects known

Specific Target Organ Toxicity

Single Exposure
No toxicity effects known

Repeated Exposure
Target Organs: Blood, liver, kidney, respiratory system and skin

Aspiration Hazard
No aspiration hazards known

12. ECOLOGICAL INFORMATION

The ecological effects have not been thoroughly investigated, but currently none have been identified.

Water Hazard Class 1 (Self-Assessment): slightly hazardous for water
13. DISPOSAL CONSIDERATIONS

Disposal of Product
This product is not considered a RCRA hazardous waste
Dispose of materials in accordance with federal, state and local requirements.
Product used with human blood as directed should be disposed of according to internal medical waste/sharps disposal requirements.

Disposal of Uncleaned Packaging
Dispose of materials in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

It is the determination of QBC Diagnostics, Inc. that the product does not meet the basic description of a Hazardous Material or Dangerous Good under the DOT, IATA or IMDG transportation regulations.

This product contains minimal amounts of toxic solids. The device is formed to a specific shape and the toxic materials are sprayed onto the glass. Due to the design during manufacturing and that the device must be used in whole during end use, the device does not release or otherwise result in exposure to hazardous chemical under normal conditions of use and transport.

DOT Regulations
| Hazard Class | Not Applicable |

Land Transport ARD/RID
| Hazard Class | Not Applicable |

Maritime transport IMDG
| Hazard Class | Not Applicable |
| Marine Pollutant | No |

Air Transport ICAO-TI and IATA-DGR
| Hazard Class | Not Applicable |

15. REGULATORY INFORMATION

SARA Section 355 (Extremely Hazardous Substances)
26628228 Sodium Azide

SARA Section 313 (Specific Toxic Chemical Listings)
67630 Isopropanol

TSCA (Toxic Substances Control Act)
583528  Potassium Oxalate
67630  Isopropanol

**California Proposition 65 – Section A – Chemicals Known to Cause Cancer**
None of the ingredients listed

**California Proposition 65 – Section B – Chemicals Known to Cause Reproductive Toxicity**
None of the ingredients listed

**IARC (International Agency for Research on Cancer)**
67630  Isopropanol (Group 3)

**NTP (National Toxicology Program)**
None of the ingredients listed

## 16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither QBC Diagnostics, Inc. or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Issue By:** QBC Quality Department

**Prepared Date:** 10/13/2009

**Contact:** Technical Service Representative