1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QBC Malaria Test Kit  
Catalog Number: 253005 and 253037  
Manufacturer: Drucker Diagnostics  
200 Shady Lane Suite 170  
Philipsburg, PA 16866 USA  
Telephone (814) 692-7661

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

Drucker Diagnostics Technical Support  
866-265-1486

2. HAZARDS IDENTIFICATION

Classifications:

Specific Target Organ Toxicity (Repeated Exposure) – Category 2  
Skin Irritation – Category 3  
Eye Irritation – Category 2B

Health Statements:

H302/H312/H332 Harmful by inhalation, in contact with skin and if swallowed.  
H313 May be harmful in contact with skin  
H315/H320/H335 Irritating to eyes, respiratory system and skin  
H333 May be harmful if inhaled  
H318 May cause serious eye damage  
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 Read label before use
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>
</tr>
</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:
Store away from oxidizing agents

Further information about storage conditions:
None.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #*</th>
<th>Type*:</th>
<th>Value*:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Oxalate</td>
<td>583-52-8</td>
<td>LD50 Oral</td>
<td>10-30 g (Adult)</td>
</tr>
</tbody>
</table>

*This Information was taken from the MSDS’ of the individual chemicals

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 in 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 sensitation: No sensitizing effects known
Reproductive cell mutagenicity: No mutagenic effects known
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 Drucker Diagnostics 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
<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Not Applicable</th>
</tr>
</thead>
</table>

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

EPCRA Section 313 (Extremely Hazardous Substances)
   26628-2-28  Sodium Azide
   67-63-0  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 Drucker 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: Drucker Diagnostics Quality Department
Prepared Date: 28 March 2016
Contact: Technical Service Representative