1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QBC F.A.S.T. Malaria Stain  
Catalog Number: 427760, 427761 and 427762  
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 Diagnostic Technical Support  
866-265-1486

2. HAZARDS IDENTIFICATION

Classifications:  
- Flammable liquids (Category 2)  
- Skin irritation (Category 2)  
- Eye irritation (Category 2B)  
- Specific target organ toxicity - single exposure (Category 3)  
- Acute aquatic toxicity (Category 2)

Hazard statement(s):  
H225 Highly flammable liquid and vapour.  
H315 + H320 Causes skin and eye irritation.  
H335 May cause respiratory irritation.  
H401 Toxic to aquatic life.

Precautionary statement(s):  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
SAFETY DATA SHEET

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>Ethanol</td>
<td>64-17-5</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Inhalation IF INHALED, supply fresh air. Seek medical attention if breathing becomes difficult or is 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 This product is known to be flammable

Suitable Extinguishing Agents Water spray, dry chemical, carbon dioxide, or foam

Hazardous Combustion Products Carbon dioxide, carbon monoxide

Special Fire-Fighting Procedure Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire exposed containers cool.

Unusual Fire and Explosion Hazards Combustible. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations Use personal protection equipment. Eliminate all ignition sources.

Measures for Environmental Protection Do not allow to enter sewers and surface or ground water.
7. HANDLING AND STORAGE

Personal Precaution
Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion
Keep away from heat and flame. Keep from contact with oxidizing materials.

Storage
Keep container closed and climate control

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment

**Ventilation**
Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels.

**Respiratory Protection**
If engineering controls do not maintain airborne labels below exposure limits, an approved respirator must be worn.

**Eye Protection**
Wear safety glasses with side shields. Wear a full face respirator, if needed.

**Skin Protection**
Wear chemical resistant gloves, boots, and protective clothing appropriate for the risk of exposure. Contact glove manufacturer for specific information.

**Recommended Decontamination Facilities**
Eye wash, safety shower and washing facilities.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic solvent</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>149°F (65°C)</td>
</tr>
<tr>
<td>Flammability</td>
<td>Product is flammable</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable</td>
</tr>
<tr>
<td></td>
<td>Hazardous polymerization will not occur</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

Ethanol (CAS 64-17-5)

Eye Irritation (Rabbit): 500 mg – severe irritation
Skin Irritation (Rabbit): 20 mg/24 H – moderate irritation
Inhalation (rat) LC50: 20000 ppm/10 H
Oral LD50 (guinea pig): 5560 mg/kg

Listed Carcinogen

64175 Ethanol

Additional toxicological information may be available on request.

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

Additional ecological information may be available on request.
13. DISPOSAL CONSIDERATIONS

Drucker Diagnostics encourages the recycle, recovery and reuse of materials, where permitted, as an alternative to disposal as a waster. However, discharge treatment or disposal may be subject to national, state or local laws. Residual vapors may explode on ignition; do not cut, drill, grind or weld near this container.

CERCLA Hazardous Substance List (40 CFR 302.4)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Ingredient</th>
<th>Generic RCRA Waste No.</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>64175 Ethanol</td>
<td>Generic RCRA Waste No. D001</td>
<td>RQ 100 lbs</td>
<td></td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

North American Ground Transportation

In accordance with U.S. Department of Transportation 49 CFR 173.150(e), products associated with this document have been determined to contain at least 50% water and < 24% alcohol by volume, therefore these materials are exempt from US DOT Hazardous Material Shipping Regulations.

Transport Via Water

Products associated with this data sheet have been previously determined to be in accordance with the International Maritime Dangerous Goods Code Special Provision 144. Since the products associated with this document have been determined to be aqueous solutions containing < 24% alcohol by volume, these materials are exempt from the IMDG code.

Transport Via Air (International)

Products associated with this data sheet have been previously determined to be in accordance with the International Air Transport Association Dangerous Goods Regulations Special Provision A58. Since the products associated with this document have been determined to be aqueous solutions containing < 24% alcohol by volume, these materials are exempt from the IATA DGR.

15. REGULATORY INFORMATION

SARA Section 355 (Extremely Hazardous Substances)

None of the ingredients listed

SARA Section 313 (Specific Toxic Chemical Listings)

None of the ingredients listed
TSCA (Toxic Substances Control Act)  
None of the ingredients listed

IARC (International Agency for Research on Cancer)  
64175 Ethyl Alcohol in alcoholic beverages (Group 1)

NTP (National Toxicology Program)  
None of the ingredients listed

**State Regulations**

**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**  
64175 Ethyl Alcohol in alcoholic beverages

**Massachusetts Right to Know List**  
64175 Ethanol

**Minnesota Hazardous Substance List**  
64175 Ethanol

**New Jersey Right to Know List**  
64175 Ethanol

**Pennsylvania Right to Know List**  
64175 Ethanol

**Rhode Island Right to Know List**  
64175 Ethanol

**European Regulations**

**Austria MAK List (Annex 1)**  
64175 Ethanol

**Denmark: the MAL-factor**  
64175 Ethanol  
7m$^3$ air/10g substance

**Netherlands**  
64175 Ethanol  
Fertility Risk Category 1 (may harm fertility)  
Development Risk Category 1 (may harm the unborn child)  
Breastfeeding Risk (May be harmful through breastfeeding)

**Norway List of Dangerous Substances**  
64175 Ethanol

**Switzerland Toxins List 1**  
64175 Ethanol
16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Drucker Diagnostics 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.

Issued by: Drucker Diagnostics Quality Department
Prepared Date: 28 March 2016
Contact: Technical Service Representative