

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QBC *F.A.S.T.*™ Rapid Stain
Decolorizer/Quencher

Intended Product Use:

For use as a stain for smears made from patient specimens or cultures in the detection or characterization of acid fast bacilli such as *Mycobacterium tuberculosis*

Catalog Number(s): 427400, 427404, 427408, 427409, 427414, 427422, 427424, 427425

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



Health Statements:

H225 Highly flammable liquid and vapour.
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
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P262 Avoid contact with skin and eyes
P305+351+338 In case of contact with eyes: rinse immediately with plenty of water and seek medical advice.
P281 Wear protective gloves/protective clothing/eye protection/face protection
P314 In case of accident or if you feel unwell seek medical attention immediately, (show the label where possible)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of the substances listed below with nonhazardous additions.

| Hazardous Ingredients (<i>specific</i>) | CAS # | Concentration |
|---|-----------|---------------|
| Hydrochloric Acid | 7647-01-0 | < 1% |
| Ethanol | 64-17-5 | < 90% |
| Evans Blue | 314-13-6 | < 0.05 g/mL |

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.
Ingestion IF SWALLOWED, immediately seek medical attention. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Unusual Fire and Explosion Hazards

Combustible. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard.

Flammability Summary

Product is flammable.

Suitable Extinguishing Agents

For small fires, use CO₂, ABC Multipurpose Dry Chemical, Water Spray or Alcohol Resistant Foam.

Fight larger fires with water spray or alcohol resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective.

Unsuitable Extinguishing Agents

DO NOT use straight streams of water.

Protective Equipment

Wear self contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Person Related Safety Precautions

Avoid breathing vapors, mists, or gas. Prevent contact with skin and eyes. Ensure adequate ventilation. Evacuate personnel to safe areas.

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. Do not let product enter drains.

Measures for Cleaning/Collecting

Use personal protection equipment recommended in Section 8
Refer to Section 13 for specific disposal information.

7. HANDLING AND STORAGE

Handling

Information for safe handling:

Keep in a dry place. Avoid contact with skin and eyes. Avoid breathing vapors and mists. Wash thoroughly after handling.

Prevention of Fire and Explosion

Keep away from heat and flame. Keep from contact with oxidizing materials.

Storage

Requirements to be met by storerooms and receptacles:

Keep container closed tightly in a dry place with adequate ventilation.

Information about storage in one common storage facility:

Store away from oxidizing agents, perchlorates, peroxides, chromic acid or nitric acid.

Further information about storage conditions:

Keep containers upright.

Specific Use(s)

For staining biological samples for the detection of acid fast bacilli

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with Limit Values that Require Monitoring at the Workplace

| 7647-01-0 hydrochloric acid | |
|-----------------------------|---|
| PEL | Short-term value: C7 mg/m ³ , C 5 ppm |
| REL | Short-term value: C7 mg/m ³ , C 5 ppm |
| TLV | Short-term value: C2.98 mg/m ³ , C 5 ppm |

Personal Protective Equipment



Respiratory Protection

Where job risk management indicates that respiratory protection is required, respirators should be tested and approved to appropriate regulator standards (e.g. NIOSH (U.S.A.))

Hand Protection

Chemical resistant gloves (i.e. nitrile)

Eye Protection

Safety glasses or face shield

Body Protection

Protective work clothing (i.e. lab coat)

Hygiene Measures

Wash any affected areas with soap and water if contact occurs. Thoroughly wash hands, forearms, and face with soap and water before eating, drinking using tobacco products, using toilet facilities, applying cosmetics, or taking medication. Do not eat, drink, use tobacco products, apply cosmetics, or take medications where the product is handled or stored.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|--|
| Form | Liquid |
| Color | Blue to purple |
| Odor | Characteristic |
| Melting Point | Not Applicable |
| Boiling Point | 176.36 °F (80.2 °C) |
| Flash Point | 71.6°F (22°C) |
| Flammability | Product is flammable |
| Danger of Explosion | Product does not present an explosion hazard |
| Density | Undetermined |
| Solubility | |
| In Water | Soluble |
| pH | Not Applicable |
| Solvent Contents | < 90% |
| Vapor density (air = 1.0) | Not Determined |
| Vapor pressure (mmHg) | Not Determined |

10. STABILITY AND REACTIVITY

Thermal Decomposition

No decomposition if used according to specifications

Conditions/Materials to Avoid

Incompatible materials, ignition sources, excess heat, oxidizers, strong acids and bases.

Dangerous Reactions

No dangerous reactions known

Dangerous Products of Decomposition

Carbon monoxide, irritating and toxic fume and gases, carbon dioxide, sulfur and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute Toxicity | No toxicity effects known |
| Skin irritation/corrosion | Irritant to skin |
| Eye damage/irritation | Irritant to eyes |
| Respiratory or skin sensitization | No sensitizing effects known |
| Reproductive cell mutagenicity | No reproductive cell mutagenicity effects known |
| Carcinogenicity | No carcinogenicity effects known |

SAFETY DATA SHEET

Reproductive Toxicity
Specific Target Organ Toxicity
Single Exposure
Repeated Exposure

No reproductive toxicity effects known

No toxicity effects known
Target Organs: liver, gastrointestinal tumors, blood, lymphomas, thyroid, kidney, ureter or bladder tumors
No aspiration hazards known

Aspiration Hazard

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|-------------------|
| Toxicity | No data available |
| Persistence and Degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Other adverse effects | No data available |

13. DISPOSAL CONSIDERATIONS

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

CERCLA Hazardous Substance List (40 CFR 302.4)

64175 Ethanol Generic RCRA Waste No. D001 RQ 100 lbs

14. TRANSPORT INFORMATION

North American Ground Transportation

In accordance with U.S. Department of Transportation 48 CFR 173 and the applicable sections governing the transport of flammable liquids, it has been determined that the listed product is categorized as UN 1170, Class 3, Packaging Group II, flammable liquid. Drucker Diagnostics therefore asserts that the listed product complies with all safety, packaging, and transportation requirements as outlined in the US DOT Hazardous Material Shipping Regulations.

Transport Via Water

In accordance with International Maritime Dangerous Goods Code and the applicable provisions governing the transport of flammable liquids, it has been determined that the listed product is categorized as UN 1170, Class 3, Packaging Group II, flammable liquid. Drucker Diagnostics therefore asserts that the listed product complies with all safety, packaging, and transportation requirements as outlined in the International Maritime Dangerous Goods Code Regulations.

Transport Via Air (International)

In accordance with the International Air Transport Association Dangerous Goods Regulations it has been determined that the listed product is categorized as UN 1170, Class 3, Packaging Group II, flammable liquid. Drucker Diagnostics therefore asserts that the listed product complies with all safety, packaging, and transportation requirements as outlined in the International Air Transport Association Dangerous Goods Regulations Special Provision A9 & A58.

15. REGULATORY INFORMATION

SARA Section 302 (Chemical subject to Act)

The listed product contains Hydrochloric Acid (7647010) but in a quantity less than 1% by volume and thus is not subject to this regulation.

SARA Section 355 (Extremely Hazardous Substances)

The listed product contains Hydrochloric Acid (7647010) but in a quantity less than 1% by volume and thus is not subject to this regulation.

SARA Section 313 (Specific Toxic Chemical Listings)

None of the ingredients listed

TSCA (Toxic Substances Control Act)

None of the ingredients listed

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

California Proposition 65 – Chemicals Known to Cause Developmental Toxicity

None of the ingredients listed

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Drucker Diagnostics nor 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. The above document complies with the necessary standards, Regulation (EC) No 1907/2006 and Regulation (EC) No 1272/2008.

Issue By: Drucker Diagnostics Quality Department

Prepared Date: 16 July 2018

Contact: Technical Service Representative