

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** QBC *F.A.S.T.*™ TB Rapid Stain Kit  
Auramine O Rapid Stain

**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  
168 Bradford Drive  
Port Matilda, PA, 16870 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:**

Acute Toxicity – Category 4  
Skin Irritation – Category 2  
Eye Irritation – Category 2A



**Health Statements:**

H301 Toxic if swallowed  
H311 Toxic in contact with skin

H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled
H341	Suspected of causing genetic defects
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
P262	Avoid contact with skin and eyes
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P305+351+338	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Wear protective gloves/protective clothing/eye protection/face protection
P301+310	If swallowed, immediately call a poison center or doctor/physician
P310	
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 #	%
Auramine O	492-80-8	
Phenol	108-95-2	< 10%

**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

Prevent contact with eyes and skin

### Flammability Summary

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

### Suitable Extinguishing Agents

CO<sub>2</sub>, ABC Multipurpose Dry Chemical or Water Spray  
Fight larger fires with water spray or alcohol resistant foam.

### Unsuitable Extinguishing Agents

Not Applicable

### 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.

**Information about protection against explosion and fires:**

No special measures required.

**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

**Further information about storage conditions:**

Keep containers upright.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**
**Exposure Guidelines:**

Hazardous Ingredients ( <i>specific</i> )	CAS #*	Type*	Value*
Auramine O	492-80-8	LD <sub>50</sub> Oral	480 mg/kg (Rat)
Phenol	108-95-2	LD <sub>50</sub> Oral	270 mg/kg (Mouse)
		LD <sub>50</sub> Dermal	630 mg/kg (Rabbit)
		LC <sub>50</sub>	177 mg/m <sup>3</sup> (Mouse)

\*This Information was taken from the MSDS' of the individual chemicals

**Personal Protective Equipment**


Components	CAS-No.	Value	Control parameters	Update	Basis
Phenol	108-95-2	TWA	5 ppm 19 mg/m <sup>3</sup>	2008	ACGIH Threshold Limit Values for Chemical Substances and Physical Agents
Comments	<i>Skin Notation</i> <i>TLV<sup>®</sup> basis: Upper respiratory track irritation; lung damage; Central nervous system impairment</i> <i>Not Classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of lack</i>				

	<i>of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories.</i>				
		TWA	5 ppm 19 mg/m <sup>3</sup>	02/28/2006	21 CFR 1910.1000 Table Z-1 Limits for Air Contaminants
Comments	<i>Skin notation; indicates that the cutaneous route of exposure, including mucous membranes and eyes, contributes to the overall exposure.</i>				

**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**

<b>Form</b>	Liquid
<b>Color</b>	Orange/Yellow
<b>Odor</b>	Characteristic phenol odor
<b>Melting Point</b>	Undetermined
<b>Boiling Point</b>	100°C
<b>Flash Point</b>	Not Applicable
<b>Flammability</b>	Product is not flammable
<b>Danger of Explosion</b>	Product does not present an explosion hazard
<b>Density</b>	Undetermined
<b>Solubility In Water</b>	Soluble
<b>pH</b>	Not Applicable
<b>Solvent Contents</b>	< 10%
<b>Vapor density</b>	1.0

(air = 1.0)  
Vapor pressure Not Determined  
(mmHg)

## 10. STABILITY AND REACTIVITY

### Thermal Decomposition

No decomposition if used according to specifications

### Conditions to Avoid

Strong acids and strong bases

### Dangerous Reactions

No dangerous reactions known

### Dangerous Products of Decomposition

Sulfur and nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

No acute 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

Mutagen Class 3 (Phenol)\*

### Carcinogenicity

Carcinogen Class 2B (Auramine O)\*

### 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

\*This Information was taken from the MSDS' of the individual chemicals

## 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.

**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.*

**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)**

108952 Phenol

**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**

492808 Auramine

**California Proposition 65 – Section B – Chemicals Known to Cause Reproductive Toxicity**

None of the ingredients listed

**IARC (International Agency for Research on Cancer)**

108952 Phenol (Group 3)

492808 Auramine O (Group 2B)

**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 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:** 5/28/14

**Contact:** Technical Service Representative