

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
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: 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 #	Concentration
Auramine O	492-80-8	< 0.01 g/mL
Phenol	108-95-2	< 10%
Ethanol	64-17-5	< 5%

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

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

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.

Specific Use(s)

For staining biological samples for the detection of acid fast bacilli

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION
Exposure Guidelines:

Hazardous Ingredients (<i>specific</i>)	CAS #*	Type*	Value*
Auramine O	492-80-8	LD ₅₀ Oral	480 mg/kg (Rat)
Phenol	108-95-2	LD ₅₀ Oral	270 mg/kg (Mouse)
		LD ₅₀ Dermal	630 mg/kg (Rabbit)
		LC ₅₀	177 mg/m ³ (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 ³	2008	ACGIH Threshold Limit Values for Chemical Substances and Physical Agents
Comments	<i>Skin Notation TLV[®] basis: Upper respiratory track irritation; lung damage; Central nervous system impairment 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 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 ³	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>				

SAFETY DATA SHEET

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	Orange/Yellow
Odor	Characteristic phenol odor
Melting Point	Undetermined
Boiling Point	100°C
Flash Point	Not Applicable
Flammability	Product is not flammable
Danger of Explosion	Product does not present an explosion hazard
Density	Undetermined
Solubility	
In Water	Soluble
pH	Not Applicable
Solvent Contents	< 10%
Vapor density (air = 1.0)	1.0
Vapor pressure (mmHg)	Not Determined

10. STABILITY AND REACTIVITY

Thermal Decomposition

No decomposition if used according to specifications

Conditions/Materials 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

Toxicity	LC50: 3.2 mg/L
Persistence and Degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	Water Hazard Class I (Self-Assessment): slightly hazardous in water.

13. DISPOSAL CONSIDERATIONS

Disposal of Product

This product is not considered an RCRA hazardous waste.
Dispose of materials in accordance with federal, state and local requirements.
Dispose in accordance with all applicable regulations.

Disposal of Uncleaned Packaging

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

Dispose in accordance with all applicable regulations.

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. The above document complies with the necessary standards, Regulation (EC) No 1907/2006 and Regulation (EC) No 1272/2008.

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Contact: Technical Service Representative