

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** QBC *F.A.S.T.*™ Sputum Digestion Solution and Buffer

**Intended Product Use:**

For processing sputum and other respiratory clinical specimens for recovery of mycobacteria such as *Mycobacterium tuberculosis*.

**Catalog Number:** 427400, 427403, 427408, 427414, 427420, 4277421

**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 :**

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

**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
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 #	%
Sodium Hydroxide	1310-73-2	2%

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	IF INHALED, supply fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
<b>Skin Contact</b>	IF ON SKIN, immediately wash with soap and water and rinse thoroughly.
<b>Eye Contact</b>	IF IN EYES, rinse the open eye with water for 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	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**

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**  
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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Use neutralizing agent.

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

Do not store together with acids

#### Further information about storage conditions:

None.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hazardous Ingredients ( <i>specific</i> )	CAS #	Type:	Value:
Sodium Hydroxide	1310-73-2	LD <sub>50</sub> Oral	2000 mg/kg

### Personal Protective Equipment



<b>Respiratory Protection</b>	Not necessary
<b>Hand Protection</b>	Chemical resistant gloves (e.g. nitrile)
<b>Eye Protection</b>	Safety glasses
<b>Body Protection</b>	Protective work clothing (e.g.. lab coat)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### F.A.S.T.™ Sputum Digestion Solution

<b>Form</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	None
<b>Melting Point</b>	Undetermined
<b>Boiling Point</b>	102°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>	1.021
<b>Solubility In Water</b>	Soluble
<b>pH</b>	Alkaline
<b>Solvent Contents</b>	> 99%
<b>Solids Contents</b>	< 1%

### F.A.S.T.™ Buffer Pack

<b>Form</b>	Solid (when hydrated, liquid)
<b>Color</b>	fine white powder (when hydrated, clear liquid)
<b>Odor</b>	None
<b>Melting Point</b>	Undetermined
<b>Boiling Point</b>	100°C (when hydrated)
<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>	1.0
<b>Solubility</b>	

<b>In Water</b>	Soluble
<b>pH</b>	6.8 when hydrated
<b>Solvent Contents</b>	0.0%
<b>Solids Contents</b>	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 (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Sodium hydroxide

LD/LC 50 values that are relevant for classification

Oral LD50 2000 mg/kg (rat)

### Skin irritation/corrosion

Caustic effect on the skin and mucous membranes

### Eye damage/irritation

Strong caustic effect

### Respiratory or skin sensitisation

No sensitizing effects known

### Reproductive cell mutagenicity

No reproductive 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

No toxicity effects known

### 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.

#### **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)**

None of the ingredients listed

#### **SARA Section 313 (Specific Toxic Chemical Listings)**

None of the ingredients listed

#### **TSCA (Toxic Substances Control Act)**

1310732 Sodium hydroxide

#### **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)**

None of the ingredients listed  
**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: 5/27/14**

**Contact: Technical Service Representative**