

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
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 :

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

- 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 if irritation develops.
- Ingestion** 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

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

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 ₅₀ Oral	2000 mg/kg

Personal Protective Equipment



Respiratory Protection

Hand Protection

Eye Protection

Body Protection

Not necessary

Chemical resistant gloves (e.g. nitrile)

Safety glasses

Protective work clothing (e.g.. lab coat)

9. PHYSICAL AND CHEMICAL PROPERTIES

F.A.S.T.™ Sputum Digestion Solution

Form	Liquid
Color	Clear
Odor	None

Melting Point	Undetermined
Boiling Point	102°C
Flash Point	Not Applicable
Flammability	Product is not flammable
Danger of Explosion	Product does not present an explosion hazard
Density	1.021
Solubility In Water	Soluble
pH	Alkaline
Solvent Contents	> 99%
Solids Contents	< 1%

F.A.S.T.™ Buffer Pack

Form	Solid (when hydrated, liquid)
Color	fine white powder (when hydrated, clear liquid)
Odor	None
Melting Point	Undetermined
Boiling Point	100°C (when hydrated)
Flash Point	Not Applicable
Flammability	Product is not flammable
Danger of Explosion	Product does not present an explosion hazard
Density	1.0
Solubility In Water	Soluble
pH	6.8 when hydrated
Solvent Contents	0.0%
Solids Contents	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 (CO₂)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Sodium hydroxide
<u>LD/LC 50 values that are relevant for classification</u>	
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 sensitization	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.

Issued By: Drucker Diagnostics Quality Department

Prepared Date: 28 March 2016

Contact: Technical Service Representative