

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Catalog Number(s): 427400, 427404, 427408, 427409, 427414, 427422,
427423, 427424, 427425

Manufacturer: QBC Diagnostics, Inc.
168 Bradford Drive
Port Matilda, PA, 16870 USA
Telephone (814) 692-7661

In case of an emergency, spill, fire, exposure, or accident contact:

QBC Diagnostic Technical Support
866-265-1486

2. HAZARDS IDENTIFICATION



Corrosive



**Highly
Flammable**

Risk Phrases:

11 Highly Flammable
20 Harmful by inhalation
34 Causes burns

Safety Phrases:

1/2 Keep locked up and out of the reach of children.
7 Keep container tightly closed
9 Keep container in well ventilated place
16 Keep away from sources of ignition – No smoking

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- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention immediately.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- 45 In case of accident or if you feel unwell seek medical advice 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 #	%
Hydrochloric Acid	7647-01-0	< 1%
Ethanol	64-17-5	> 99%

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

Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn in a fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode if in the heat of a fire.

Flammability Summary

Product is known to be highly flammable, combustible, pyrophoric and explosive.

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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.

Information about protection against explosion and fires:

Avoid contact with heat, sparks, or open flames.

Storage

Requirements to be met by storerooms and receptacles:

Keep container closed tightly in a dry place with adequate ventilation. Keep away from heat, sparks, and flames. Keep away from sources of ignition.

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.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with Limit Values that Require Monitoring at the Workplace

64-17-5 ethanol	
PEL	1900 mg/m ³ , 1000 ppm
REL	1900 mg/m ³ , 1000 ppm
TLV	1880 mg/m ³ , 1000 ppm
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
Color

Liquid
Blue to purple

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According to ISO/DIS 11014

Odor	Characteristic
Melting Point	Not Applicable
Boiling Point	84°C (183°F)
Flash Point	28.3°C (83°F)
Flammability	Product is highly flammable
Danger of Explosion	Product presents an explosion hazard
Density	Undetermined
Solubility	
In Water	Soluble
pH	Not Applicable
Solvent Contents	> 99%
Vapor density (air = 1.0)	0.95382
Vapor pressure (mmHg)	Not Determined

10. STABILITY AND REACTIVITY

Thermal Decomposition

No decomposition if used according to specifications

Conditions 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

LD/LC50 values		
64-17-5 ethanol		
Oral	LD50	3450 mg/kg (mouse) 7060 mg/kg (rat)

Skin irritation/corrosion

Irritant to skin

Eye damage/irritation

Irritant to eyes

Respiratory or skin sensitisation

No sensitizing effects known

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Reproductive cell mutagenicity	No reproductive cell mutagenicity effects known
Carcinogenicity	No carcinogenicity effects known
Reproductive Toxicity	No reproductive toxicity effects known
Specific Target Organ Toxicity	
Single Exposure	No toxicity effects known
Repeated Exposure	Target Organs: liver, gastrointestinal tumors, blood, lymphomas, thyroid, kidney, ureter or bladder tumors
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 considered a RCRA # D001 (ignitable) 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

DOT Regulations

3 mL, 5 mL, 120 mL, 250 mL

Limited Quantity

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II

1 gallon

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II



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Land Transport ARD/RID

3 mL, 5 mL, 120 mL, 250 mL

Limited Quantity

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II

1 gallon

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II



Maritime transport IMDG

3 mL, 5 mL, 120 mL, 250 mL

Limited Quantity

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II

1 gallon

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II



Air Transport ICAO-TI and IATA-DGR

3 mL, 5 mL, 120 mL, 250 mL

Limited Quantity

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II

1 gallon

Hazard Class 3 – Flammable Liquid

UN1170 (Ethyl alcohol solution)

Packing Group II



15. REGULATORY INFORMATION

SARA Section 355 (Extremely Hazardous Substances)

7647010 Hydrochloric Acid

SARA Section 313 (Specific Toxic Chemical Listings)

None of the ingredients listed

TSCA (Toxic Substances Control Act)

64175 Ethanol

California Proposition 65 – Section A – Chemicals Known to Cause Cancer

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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

64175 Ethanol

IARC (International Agency for Research on Cancer)

76477010 Hydrochloric Acid (Group 3)

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 QBC Diagnostics, Inc. 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: QBC Quality Department

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Contact: Technical Service Representative