

1. IDENTIFICATION**Product Name:** HALYARD* Bitrex Solutions for Qualitative Fit Testing**Product Number:** 99009-00

Date Prepared:	3/25/15
Manufacturer:	Halyard Health Inc. 5405 Windward Parkway Alpharetta, Georgia 30004
Telephone: MEDICAL EMERGENCY: TRANSPORTATION EMERGENCY: INFORMATION:	Call 911 or your local Emergency Room or Poison Control Services Chemtrec 1-800-424-9300 or 1-703-527-3887 (collect calls accepted) 1-844-HALYARD

Product Use: Respirator fit testing**2. HAZARDS IDENTIFICATION****GHS Classification:** Not Hazardous**GHS Labeling:** No GHS labeling required.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Chemical Name</i>	<i>CAS-No./ EINECS-No</i>	<i>%</i>	<i>GHS Classification:</i>
Water	7732-18-5/ 231-791-2	95%	Not Hazardous
Denatonium benzoate (Bitrex TM)	3734-33-6 / 223-095-2	<5%	Acute Tox H304

4. FIRST AID MEASURES**Inhalation:** Move to fresh air. Seek medical advice if cough, shortness of breath or other respiratory problems occur.**Skin contact:** Rinse with water. Seek medical advice if redness, swelling, itching or burning occurs.**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. Obtain medical attention if irritation persists.**Ingestion:** If victim is conscious, rinse mouth with a small amount of water. Never give anything by mouth to a person who is unconscious or drowsy. Call a physician or Poison Control Centre.

Most Important symptoms and effects, both acute and delayed: May cause mild eye irritation.

Indication of any immediate medical attention and special treatment needed: None required.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media: Use media suitable for surrounding materials.

Specific Hazards Arising from the Chemical: None.

Hazardous Combustion Products: None

Special Protective Equipment and Precautions for Fire-fighters: None required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing and equipment.

Environmental Precautions: Report releases as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Contain and collect with inert absorbent material and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes.

Conditions for Safe Storage, including any Incompatibilities: No special storage conditions required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Chemical Name	Exposure limit(s)
Non-Hazardous Ingredients	None established
Denatonium benzoate (Bitrex TM)	None established

Appropriate Engineering Controls: No special ventilation normally required.

Individual Protection Measures, such as Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment normally required.

Protective Gloves: None required for normal use.

Eye Protection: Wears safety glasses or goggles if eye contact is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Clear, colorless, odorless liquid. Extreme bitter taste.
Odor Threshold:	Not applicable
Boiling point/range	212°F (100°C)
Melting point/range	Not available
Relative Density (water=1)	1.0
Vapor pressure	Not available
Vapor density (air=1)	Not available
Solubility	Complete
pH	Not available
Partition coefficient (n-octanol/water):	Not available
Evaporation Rate (Butyl acetate=1)	Same as water.
Viscosity:	Not available
Volatile Organic Carbon Compounds (VOC) (g/L)	Not available
Flashpoint:	None.
Flammable Limits in Air % by Volume:	LEL (Lower): Not applicable UEL (Upper): Not applicable
Autoignition temperature:	None.
Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Stable at ambient temperature and pressure.

Possibility of Hazardous Reactions: None currently known.

Conditions to Avoid: None currently known.

Incompatible Materials: None currently known.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION**Symptoms/Effects of Overexposure:**

Inhalation: Inhalation of aerosol may cause irritation to the upper respiratory tract.
Extreme bitter taste.

Skin contact: Prolonged skin contact may cause mild irritation in sensitive individuals.

Eye contact: May cause mild eye irritation.

Ingestion: May cause nausea, vomiting, diarrhea, dizziness, drowsiness and other symptoms of central nervous system depression. The material has a profoundly bitter taste so ingestion of large amounts is very unlikely.

Chronic toxicity: None expected.

Carcinogenicity Data: None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the EU CLP Annex VI.

Reproductive Toxicity: None currently known.

Numerical Measures of Toxicity:

Acute Toxicity Estimate: Oral 12,500 mg/kg

Denatonium benzoate: LD50 oral rat 584 mg/kg, Dermal rabbit LD50 >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is currently available.

Denatonium benzoate: 96 hr LC50 *Oncorhynchus mykiss* >1000 mg/L

Persistence and Degradability: No data is currently available.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None currently known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all state, local and federal regulations.

14. TRANSPORT INFORMATION

US DOT Shipping Description: Not regulated

IATA Shipping Description (Air): Not regulated

IMDG Shipping Description (Vessel): Not regulated

15. REGULATORY INFORMATION**US Regulations**

EPA Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

SARA 302 Listed Chemicals: None.

SARA 311/312 Hazard Categories: Not Hazardous

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): None.

California Proposition 65: This product does not contain chemicals listed per the Safe Drinking Water and Toxic Enforcement Act of 1986.

International Regulations

Canadian CEPA: All of the components are either listed on or exempted from the Domestic Substances List (DSL).

16. OTHER INFORMATION

Date Prepared: 3/25/15

GHS Classification Hazard Statements seen in Section 3 for Reference:

Acute Tox 4 = Acute Toxicity Category 4
H302 Harmful if swallowed

HMIS Rating: Health 0 Fire 0 Physical Hazard 0

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