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# AVIAN INFLUENZA COMMODITIES TRAINING GUIDE

MODULE 2 - DECONTAMINATION  
APPENDICES



MARCH 2007

MODULE 2

# APPENDICES

## Appendices

**Appendix C:** Material Safety Data Sheet (MSDS) for Bitrex Fit Sensitivity Solution #1 and Solution #2



## **MODULE 2**

### **Appendix C**

#### **Material Safety Data Sheet (MSDS) for Bitrex Fit Sensitivity Solution #1 and Solution #2**

# MATERIAL SAFETY DATA SHEET

US Department of Labor  
Occupational Safety and Health Administration  
Hazard Communication Standard  
29 CFR 1910.1200

Prepared By: U . S . SAFETY  
8101 Lenexa Drive, Lenexa, KS 66214, 1-800-821-5218  
U . S . SAFETY Part No. 79262

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## SECTION I: Identification & General Information

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Allegro Industries Chemtrac 800-424-9300  
6403 E. Alondra Blvd.  
Paramount, CA 90723  
310-633-4861

Allegro Product Number: 2041-01  
Chemical Name: Bitrex Sensitivity Solution #1  
Chemical Family: Benzyldiethyl ammonium, Benzoate, Sodium Chloride, Water  
Synonyms: Liquid Mixture, Bittering Agent

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## SECTION II: Hazardous Ingredients/Identity Information

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Contains: Benzyldiethyl ammonium, Benzoate, Sodium Chloride, Water

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## SECTION III: Physical/Chemical Characteristics

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Boiling Point (Deg C):	N/D	Flashpoint:	N/A
Melting Point (Deg C):	N/A	Vapor Density:	N/A
Specific Gravity:	N/A	Volatile:	N/A
Refractive Index:	N/A	Water Content:	95%
Alcohol Content:	NONE		
Vapor Pressure:	N/A		
Solubility in Water:	N/A		
Appearance:	Clear, odorless liquid, extreme bitter taste		

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## SECTION IV: Fire and Explosion Hazard Data

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Extinguishing Media: N/A

Special Fire Fighting Procedures: Use of self-contained breathing apparatus and protective clothing is recommended.

Unusual Fire and Explosive Hazards: None, may liberate CO Nox

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## SECTION V: Health Hazard Data

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Threshold Limit Value (ACGIH TLV): LD50, 612 MG/KG  
Threshold Limit Value (OSHA PEL): N/A  
Carcinogenicity: NOT LISTED

Health Hazards (Acute and Chronic)

Ingestion: Profuse bad taste  
Inhalation: Profuse bad taste  
Skin Contact: Flush with water  
Irritation (Skin): Causes irritation  
Irritation (Eye): Causes eye irritation, flush with water

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**SECTION VI: Emergency First Aid Procedures**

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Eye Contact: Flush immediately with cold clean water for at least 15 minutes.  
Skin Contact: The affected area should be thoroughly washed with soap and water. Flush with large quantities of water. If irritation persists, call a physician.  
Inhalation: Remove to fresh air and contact physician if necessary.  
Ingestion: Administer water or milk to dilute. Contact a physician or local poison control center immediately.

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**SECTION VII: Reactivity Data**

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This material presents no significant reactivity hazard. Hazardous Polymerization will not occur and it will not react violently with water.  
Contact with highly reactive chemical oxidants should be avoided.

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**SECTION VIII: Personal Protection**

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Eyes: The use of goggles or a faceshield is recommended.  
Respiratory: Respiratory protection is normally not required.  
Other Protective Equipment: Chemical resistant gloves are recommended.  
Ventilation: Ventilation meeting ACGIH standard should be employed.  
Work/Hygienic Practices: Use good personal hygiene practices. Limit exposure to product whenever possible. Wash after any contact. Thoroughly wash any contaminated clothing or shoes before reuse.

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**SECTION IX: Spill, Leak and Waste Disposable Procedures**

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Absorb spills with vermiculite or other suitable absorbent material and remove to an approved disposable container. Dispose of in accordance with current laws and regulations.

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**SECTION X: Storage and Handling**

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Store in tight containers in a cool dry place away from light and heat. The user of any chemical products should be aware of the potential hazards, known and unknown, and their effect on the human system. We strongly urge that all users minimize their exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

**DISCLAIMER: THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND U. S. SAFETY ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE.**

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## SECTION I: Identification & General Information

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Allegro Industries Chemtrac 800-424-9300  
6403 E. Alondra Blvd.  
Paramount, CA 90723  
310-633-4861

Allegro Product Number: 2041-02  
Chemical Name: Bitrex Fit Test Solution #2  
Chemical Family: Benzyldiethyl ammonium, Benzoate, Sodium Chloride, Water  
Synonyms: Liquid Mixture, Bittering Agent

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## SECTION II: Hazardous Ingredients/Identity Information

---

Contains: Benzyldiethyl ammonium, Benzoate, Sodium Chloride, Water

---

## SECTION III: Physical/Chemical Characteristics

---

Boiling Point (Deg C):	N/D	Flashpoint:	N/A
Melting Point (Deg C):	N/A	Vapor Density:	N/A
Specific Gravity:	N/A	Volatile:	N/A
Refractive Index:	N/A	Water Content:	95%
Alcohol Content:	NONE		
Vapor Pressure:	N/A		
Solubility in Water:	N/A		
Appearance:	Clear, odorless liquid, extreme bitter taste		

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## SECTION IV: Fire and Explosion Hazard Data

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Extinguishing Media: N/A

Special Fire Fighting Procedures: Use of self-contained breathing apparatus and protective clothing is recommended.

Unusual Fire and Explosive Hazards: None, may liberate CO Nox

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## SECTION V: Health Hazard Data

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Threshold Limit Value (ACGIH TLV): LD50, 612 MG/KG  
Threshold Limit Value (OSHA PEL): N/A  
Carcinogenicity: NOT LISTED

Health Hazards (Acute and Chronic)

Ingestion:	Profuse bad taste
Inhalation:	Profuse bad taste
Skin Contact:	Flush with water
Irritation (Skin):	Causes irritation
Irritation (Eye):	Causes eye irritation, flush with water

---

**SECTION VI: Emergency First Aid Procedures**

---

Eye Contact:	Flush immediately with cold clean water for at least 15 minutes, obtain medical advice.
Skin Contact:	The affected area should be thoroughly washed with soap and water. Flush with large quantities of water. If irritation persists, call a physician.
Inhalation:	Remove to fresh air and contact physician if necessary.
Ingestion:	Administer water or milk to dilute. Contact a physician or local poison control center immediately.

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**SECTION VII: Reactivity Data**

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This material presents no significant reactivity hazard. Hazardous Polymerization will not occur and it will not react violently with water.  
Contact with highly reactive chemical oxidants should be avoided.

---

**SECTION VIII: Personal Protection**

---

Eyes:	The use of goggles or a faceshield is recommended.
Respiratory:	Respiratory protection is normally not required.
Other Protective Equipment:	Chemical resistant gloves are recommended.
Ventilation:	Ventilation meeting ACGIH standard should be employed. Local exhaust, Mechanical.
Work/Hygienic Practices:	Use good personal hygiene practices. Limit exposure to product whenever possible. Wash after any contact. Thoroughly wash any contaminated clothing or shoes before reuse.

---

**SECTION IX: Spill, Leak and Waste Disposable Procedures**

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Absorb spills with vermiculite or other suitable absorbent material and remove to an approved disposable container. Dispose of in accordance with current laws and regulations.

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