

MATERIAL SAFETY DATA SHEET

Bug-Test Detector Kit

FILE NO.:

MSDS DATE: 04/19/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bug Test Detector Kit
SYNONYMS:
PRODUCT CODES: AL-BC

MANUFACTURER: Aviation Laboratories, Inc.
DIVISION:
ADDRESS: 5401 Mitchelldale Dr. #B6
Houston, Texas 77092

EMERGENCY PHONE: 1-800-424-9300
CHEMTREC PHONE: 1-800-424-9300
OTHER CALLS: 713-864-6677
FAX PHONE: 713-864-6990

CHEMICAL NAME:
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE:
PREPARED BY:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

Sodium Chloride at a ratio of 0.10 to 1000 mL distilled water

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7647-14-5 Sodium Chloride	0.01		
7732-18-5 Water	99.99		
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	N/A	N/A	
OSHA PEL STEL :	N/A	N/A	
OSHA PEL CEILING:	N/A	N/A	
ACGIH TLV-TWA:	N/A	N/A	
ACGIH TLV STEL:	N/A	N/A	
ACGIH TLV CEILING:	N/A	N/A	

SECTION 2 NOTES:

Irritating to eyes, respiratory system and skin. This product contains no reportable quantity substances with SARA Title III and is exempt under TSCA. This product is not regulated under the OSHA Hazard communication standards, 29 CFR 1910-1200. However, Once the Bug-Test detector kit is inoculated with fuel or fuel and water mixtures, it may contain live microorganisms which may be biohazards. Therefore, observe instructions in Section 7. If the bottle in the detector kit is unused or not broken or bottle seal is not broken there are no likely hazards from live organisms.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contact physician

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: Irritant

SKIN: Irritant

INGESTION:

INHALATION: No

ACUTE HEALTH HAZARDS: Slightly hazardous in case of skin contact (irritant, permeator), of injection. Non-corrosive for skin, eyes, and lungs.

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Bug-Test Detector Kit

FILE NO.:

MSDS DATE: 04/19/2013

CHRONIC HEALTH HAZARDS: No data available for carcinogenic effects. Mutagenic effects for mammalian somatic cells, for bacteria and/or yeast (sodium chloride). Teratogenic effects are not available. Possible classified reproductive system/toxin/female (sodium chloride).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

OTHER: N/A

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove any contact lenses. In case of exposure immediately flush eyes with plenty of water for at least 15 minutes and contact physician.

SKIN: Wash with soap and water, rinse thoroughly, and see a physician immediately.

INGESTION: In case of exposure contact physician

INHALATION:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: The concentration level of all chemical constituents is below the minimum reportable quantity substances.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A

FLASH POINT:

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 5 NOTES:

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Bug-Test Detector Kit

FILE NO.:

MSDS DATE: 04/19/2013

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Obtain a bactericidal solution such as 70-90% isopropyl alcohol, 1-2% phenol, quaternary compound or liquid chlorine bleach.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Obtain a bactericidal solution such as 70-90% isopropyl alcohol, 1-2% phenol, quaternary compound or liquid chlorine bleach. Obtain protective gear, gloves, and goggles. Wash all exposed areas with anti-bacterial solution. Do not drop glass as the container may break. Do not store in direct sunlight or heated area.

OTHER PRECAUTIONS: If bottle is broken remove broken glass with forceps then clean contaminated areas with liquid chlorine bleach.

SECTION 7 NOTES: No "DOT" restrictions apply to this product being shipped via land, air, or sea.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION : N/A

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: Wear goggles or safety glasses

SKIN PROTECTION: Wear gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Lab coat or other protective gear

WORK HYGIENIC PRACTICES: N/A

EXPOSURE GUIDELINES: N/A

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow or Brown Liquid

ODOR: Yeast smell when not inoculated

PHYSICAL STATE:

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: 212

MELTING POINT:

F: N/A

FREEZING POINT:

F: N/A

VAPOR PRESSURE (mmHg):

F: N/A

VAPOR DENSITY (AIR = 1):

F: N/A

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Bug-Test Detector Kit

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SPECIFIC GRAVITY (H₂O = 1):

F: 1

C:

EVAPORATION RATE: N/A

BASIS (=1): N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (cont.)

SOLUBILITY IN WATER: Soluble

PERCENT SOLIDS BY WEIGHT: Not available

PERCENT VOLATILE: Not available

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): Not available

WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: Not available

VISCOSITY: Not available

@

F:

C:

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

STABLE
X

UNSTABLE

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Slightly hazardous in case of skin contact or ingestion.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: If spilled contain spill, obtain suitable bactericidal solution, and wash all exposed surfaces.

SECTION 12 NOTES:

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Bug-Test Detector Kit

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Follow appropriate Federal, State and Local waste disposal regulations and procedures

RCRA HAZARD CLASS:

SECTION 13: DISPOSAL CONSIDERATIONS (cont.)

SECTION 13 NOTES: If bottle is broken, autoclave all broken or unsealed containers for 30 min at 15 pounds pressure and 121 °C. Thoroughly incinerate or submerge broken or unsealed containers in liquid chlorine bleach for a minimum of 30 minutes. Bactericidal solution may be injected into the unbroken, sealed container after testing is complete. Syringe should be disassembled and protective cover reattached to needle and disposed properly.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES: Can be shipped via Parcel Post, UPS, Federal Express, or any other means of shipping.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: N/A

INTERNATIONAL REGULATIONS: N/A

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Bug-Test Detector Kit
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SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: Prepared by the Texas Research Institute for Environmental Studies from safety data sheets.

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