

**SECTION I - IDENTIFICATION**

**PRODUCT NAME:** AVL-Bug Test Detector Kit  
**PRODUCT CODE:** AL-BC  
**PRODUCT USE:** Bug check media  
**COMPANY NAME:** Aviation Laboratories  
**COMPANY ADDRESS:** 5401 Mitchelldale St Ste B6, Houston, TX 77092-7227  
**COMPANY PHONE:** 713-864-6677  
**EMERGENCY PHONE:** 800-255-3924

**SECTION II – HAZARDS IDENTIFICATION**

**CLASSIFICATION:**

Skin Irritant: Category 2  
 Eye Irritant: Category 2B  
 Specific target organ toxicity - single exposure (Category 3), Respiratory system

**HAZARD STATEMENT(S): WARNING:** Causes skin and eye irritation. May cause respiratory irritation. Non-corrosive for skin, eyes, and lungs.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:**

Wash hands thoroughly after handling. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Do not handle until all safety precautions have been read and understood. Wear protective gloves, eye protection, and protective clothing. If exposed or concerned: Get medical advice or attention. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations. Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.



**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	CONCENTRATION
Tryptic Soy Broth	Not available	30 grams/liter
2,3,5-triphenyltetrazolium chloride	298-96-4	2.857 grams/liter

**SECTION IV - FIRST AID MEASURES**

**GENERAL:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
**EYES:** Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.  
**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.  
**INHALATION:** If inhaled: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a poison center or doctor if you feel unwell.  
**SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

## Safety Data Sheet

**ACUTE HEALTH HAZARDS:** **Inhalation:** dizziness, drowsiness, weakness, and fatigue **Eye:** stinging, tearing, redness  
**Oral:** Vomiting, nausea, irritation **Skin:** Prolonged or repeated contact may dry skin

**CHRONIC HEALTH HAZARDS:** No data available for carcinogenic effects. Mutagenic effects for mammalian somatic cells, for bacteria and/or yeast. Teratogenic effects are not available.

**NOTE TO PHYSICIAN:**

### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use appropriate media for surrounding fire. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus for fighting fires if necessary.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** no data available

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, chlorine, hydrogen chloride.

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Do not let product enter drains. Use absorbent on spill, sweep to clean. Pick up and arrange disposal without creating dust. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

### SECTION VII – 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. Protect from sunlight. Store in a well ventilated place.

**OTHER PRECAUTIONS:** If bottle is broken remove broken glass with forceps then clean contaminated areas with liquid chlorine bleach. No "DOT" restrictions apply to this product being shipped via land, air, or sea.

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

**CONTROL PARAMETERS:** Contains no substances with occupational exposure limit values.

**ENGINEERING CONTROLS / VENTILATION:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**ADDITIONAL MEASURES:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Yellow or Brown Liquid

**ODOR:** Yeast smell when not inoculated

**ODOR THRESHOLD:** no data available

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**BOILING POINT:** >212°F (100°C)  
**FREEZING POINT:** no data available  
**FLAMMABILITY:** Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)  
**FLASH POINT:** no data available  
**AUTOIGNITION TEMPERATURE:** no data available  
**LOWER FLAMMABILITY LIMIT:** no data available  
**UPPER FLAMMABILITY LIMIT:** no data available  
**VAPOR PRESSURE (mm Hg):** no data available  
**VAPOR DENSITY (AIR=1):** no data available  
**EVAPORATION RATE:** no data available  
**SPECIFIC GRAVITY (H2O=1):** 1  
**pH:** no data available  
**SOLIDS (%):** no data available  
**SOLUBILITY IN WATER:** soluble  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>OW</sub>):** no data available  
**VOLATILITY INCLUDING WATER (%):** no data available  
**VOLATILE ORGANIC COMPOUNDS (VOC):** no data available  
**DIELECTRIC STRENGTH (Volts):** no data available  
**DECOMPOSITION TEMPERATURE:** no data available  
**VISCOSITY:** no data available

### SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** no data available  
**CHEMICAL STABILITY:** May discolor on exposure to light. Stable under recommended storage conditions  
**CONDITIONS TO AVOID:** Exposure to light.  
**INCOMPATIBILITY:** Strong oxidizing agents  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Other decomposition products-no data available.  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Slightly hazardous in case of skin contact or ingestion.  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Causes irritation, burning, redness, tearing.  
**INGESTION:** Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.  
**INHALATION:** Irritation to respiratory tract, dizziness, headache, nausea.  
**SKIN:** Irritation likely.  
**MEDICAL CONDITION AGGRAVATED:** no data available  
**ACUTE HEALTH HAZARDS:** Inhalation: dizziness, drowsiness, weakness, and fatigue  
Eye: stinging, tearing, redness  
Oral: Vomiting, nausea, irritation  
Skin: Prolonged or repeated contact may dry skin  
**CHRONIC HEALTH HAZARDS:**

### SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** If spilled contain spill, obtain suitable bactericidal solution, and wash all exposed surfaces  
**BIODEGRADABILITY:** no data available

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**BIOACCUMULATION:** no data available  
**SOIL MOBILITY:** no data available  
**OTHER ECOLOGICAL HAZARDS:** None Known

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container. 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 XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:**  
**HAZARD CLASS/DIVISION:** Not dangerous goods  
**UN/NA NUMBER:**  
**PACKAGING GROUP:**

### AIR SHIPMENT

**PROPER SHIPPING NAME:**

**HAZARD CLASS/DIVISION:** Not dangerous goods  
**UN/NA NUMBER:**

**SHIPPING BY WATER:**  
**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:**  
**HAZARD CLASS/DIVISION:** Not dangerous goods  
**UN/NA NUMBER:**  
**ENVIRONMENTAL HAZARDS WATER:** N/A

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** no data available  
**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** no data available  
**SARA 311/312 HAZARD CATEGORIES:** Acute Health, Chronic Health.  
**SARA 313 REPORTABLE INGREDIENTS:** This material does not contain any chemical components with known CAS numbers that exceed the threshold  
**STATE REGULATIONS:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.  
**INTERNATIONAL REGULATIONS:** no data available

**NFPA HEALTH:** 2  
**NFPA FLAMMABILITY:** 0  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** 2  
**HMIS FLAMMABILITY:** 0  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:**

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Dr. Rachele Smith, Texas Research Institute for Environmental Studies  
**DATE PREPARED:** 10/11/2016  
**REVISION DATE:**  
N/A = Not Applicable; N/D = Not Determined

## Safety Data Sheet

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability 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 hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.