



MATERIALS SAFETY DATA SHEET

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MSDS No.: LC001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: LeadCheck® Swabs

Product Numbers: PB-Swabs, PB-2B2, PB-2CM2, PB-2M4I, PB-2M8, PB-2M8I, PB-2M16, PB-2M16I, PB-2M48, PB-2M96, PB-2M24CB, PB-2M48CB

General Use: Field test for Lead ion (Pb⁺⁺).

Product Description: Each swab looks like a cigarette in size and shape, with a fiber tip at one end. Inside the barrel of the LeadCheck® Swab are two sealed glass ampoules. One contains the LeadCheck Powder and the other the acidic LeadCheck Buffer solution.

MANUFACTURER:

Hybrivet Systems, Inc.
17 Erie Drive
Natick, MA 01760
800-262-5323 Information Hot Line; M-F, 8:30 am to 5:00 pm.
Name of Preparer: Bud Evans

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

None of the chemicals listed below is present in amounts that exceed 1% by weight of the LeadCheck® Swab. Therefore, technically, Hybrivet Systems, Inc. is not required to provide an MSDS for this product. However, as a courtesy to our customers we are providing the following information in the format of an MSDS.

| COMPONENT | KNOWN HAZARD | WT% | CAS Registry # |
|----------------------------|-----------------|-----|----------------|
| LeadCheck Powder Reagent 1 | Unknown | <1% | Trade secret |
| LeadCheck Powder Reagent 2 | Irritant (dust) | <1% | Trade secret |
| Tartaric Acid | Irritant | <1% | 87-69-4 |
| Sodium Tartrate | Irritant | <1% | 6106-24-7 |

SECTION 5. FIRE FIGHTING MEASURES

Flashpoint and Method: N/A
Flammable Limits: N/A
Autoignition Temperature: N/A

GENERAL HAZARD: No special precautions need be taken.

FIRE FIGHTING INSTRUCTIONS:

Extinguishing media - water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam or other extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

HAZARDOUS COMBUSTION PRODUCTS: Large quantities of the product may emit toxic fumes of carbon monoxide, carbon dioxide.

SECTION 6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: In the case where a large quantity of **LeadCheck® Swabs** (several case lots) have been spilled and crushed, wear suitable protective clothing, chemical safety goggles, rubber boots and heavy rubber gloves. Carefully sweep up the debris and place in a bag for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick-up is complete.

WATER SPILL: Should a large quantity of **LeadCheck® Swabs** be accidentally dumped into a large body of water, simply recover the Swabs and dispose appropriately. Observe all federal, state and local environmental regulations.

SECTION 7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL: Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling or wear protective gloves. Keep kits tightly closed and store in a cool dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in a well-ventilated area.

PERSONAL PROTECTION: Not necessary when using individual **LeadCheck® Swabs**.

RESPIRATOR: Not necessary when using individual **LeadCheck® Swabs**.

PROTECTIVE CLOTHING: No specialized clothing required.

EXPOSURE GUIDELINES: Avoid prolonged exposure

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

A. LeadCheck® Powder

Physical State: solid
Appearance: dark gray powder
Odor: none
pH: N/A
Freezing Point: N/A
Solubility in water: moderate

Vapor Pressure: N /A
(Air = 1)
Evaporation Rate: N/A
(n-Butyl Acetate = 1)
Melting Point: >300°C
Specific Gravity: 3.97

B. LeadCheck® Buffer

Physical State: liquid
Appearance: clear
Odor: none
pH: 2.9
Viscosity: 1.0

Vapor Pressure: N /A
(Air = 1)
Evaporation Rate: N/A
(n-Butyl Acetate = 1)
Freezing Point: 32°F (0°C)

SECTION 10. STABILITY AND REACTIVITY

GENERAL: The reagents as packaged **LeadCheck® Swabs** are stable. Hazardous polymerization will not occur for any of the reagents listed.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents, bases, reducing agents.

HAZARDOUS DECOMPOSITION: Toxic fumes of carbon monoxide and carbon dioxide can form on

SECTION 11. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the toxicological properties of the lead reactive dye, inert filler and tartaric acid have not been thoroughly investigated. Some of the available toxicological data for these chemicals are listed below.

For Tartaric Acid: IVN-MUS LD50 = 485 mg/Kg

SECTION 12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of these materials on the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Individual **LeadCheck® Swabs** may be disposed of as non-hazardous waste.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation): Not a hazardous material for DOT shipping.

PROPER SHIPPING NAME: **LeadCheck® Swabs**

HAZARD CLASS: N/A

IDENTIFICATION NUMBER: N/A

SECTION 15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act):

Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): This product contains no Reportable Quantity (RQ) Substances. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: The components of this product have been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and this product is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category.

313 Reportable Ingredients: None.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains **NO** chemicals known to the state of California to cause cancer or reproductive toxicity.

SECTION 16. OTHER INFORMATION

No specific notes.

REVISION SUMMARY: Section 15 was revised March 25, 1997. Section 1 was revised April 2, 1998 to remove one of the 800 numbers. Document was reviewed on April 18, 2001 but no changes were made. Document was reviewed on June 25, 2003 but no changes were made. Document was reviewed on May 16, 2005 and no substantive changes were made. Sections 2, 3, and 9 were modified on August 21, 2006. Some grammar was corrected.

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