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# Westbridge Material Safety Data Sheet

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## I. PRODUCT IDENTIFICATION

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**TRADE NAME:** BioLink® Surfactant & Penetrant  
**MANUFACTURER:** Westbridge Agricultural Products  
**ADDRESS:** 1260 Avenida Chelsea, Vista, CA 92081

**COMPOSITION:** Yucca and Garlic Extracts  
**TELEPHONE NO.:** (800) 876-2767  
**EMERGENCY TEL. NO.:**

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## II. HAZARDOUS INGREDIENTS

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Organic BioLink Surfactant & Penetrant does not contain toxic chemicals in concentrations subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 or 40 CFR Part 372.

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## III. PHYSICAL DATA

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<b>BOILING POINT, 760 MM HG:</b>	>100°C	<b>MELTING POINT:</b>	n/a
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.1 ± 0.05	<b>VAPOR PRESSURE:</b>	<1mm
<b>VAPOR DENSITY (AIR=1):</b>	>1	<b>SOLUBILITY IN H<sub>2</sub>O:</b>	miscible
<b>pH:</b>	3.7± 0.2	<b>EVAPORATION RATE (BUTYLACETATE=1):</b>	<1
<b>% VOLATILES BY VOL:</b>	Not known	<b>APPEARANCE AND ODOR:</b>	Clear pale brown liquid with garlic odor

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## IV. FIRE AND EXPLOSION DATA

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<b>FLASH POINT:</b>	>200°F	<b>AUTOIGNITION TEMPERATURE:</b>	n/a
<b>TEST METHOD:</b>	n/a	<b>FLAMMABLE LIMITS IN AIR, % BY VOL</b>	
<b>EXTINGUISHING MEDIA:</b>	none	<b>LOWER:</b>	n/a
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	n/a	<b>UPPER:</b>	n/a
		<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	none

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## V. HEALTH HAZARD INFORMATION

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### SYMPTOMS OF OVEREXPOSURE

**INHALATION:** Potential nose and throat irritant.

**SKIN CONTACT:** Prolonged exposure may cause skin irritation.

**EYE CONTACT:** Potential irritant.

**INGESTION:** Ingestion may cause nausea, vomiting, diarrhea and abdominal discomfort.

### EFFECTS OF OVEREXPOSURE

**ACUTE OVEREXPOSURE:** Expected toxicity slight to none. May cause irritation to eyes, nose, throat and skin. May cause nausea, vomiting, diarrhea and abdominal discomfort.

**CHRONIC OVEREXPOSURE:** As with any chemical, exposure may result in enhancement of pre-existing adverse medical condition(s) and allergic reactions.

### EMERGENCY AND FIRST AID PROCEDURES

**EYES:** Flush immediately with water for 15 minutes. Get medical attention.

**SKIN:** Remove contaminated clothing and wash with soap and water. Get medical attention if irritation persists.

**INHALATION:** Remove to fresh air. Administer artificial respiration if necessary.

**INGESTION:** Contact a physician immediately. Drink 2 glasses of water or milk. DO NOT induce vomiting

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V. HEALTH HAZARD INFORMATION continued

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**SUSPECTED CANCER AGENT?**

NO: This product's ingredients are not found in the lists below.  
 YES:  Federal OSHA  NTP  IARC  Cal/OSHA

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** May enhance pre-existing medical conditions  
**NOTES TO PHYSICIAN:** Treated patient symptomatically.

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VI. REACTIVITY DATA

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**STABILITY:**  stable  unstable

**INCOMPATIBILITY (materials to avoid):** Avoid prolonged exposure to excessive heat, strong acids and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:** May produce CO<sub>2</sub> and CO upon decomposition

**HAZARDOUS POLYMERIZATION:** none

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VII. SPILL, LEAK AND DISPOSAL PROCEDURES

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Spilled material will be slippery. Clean up spill immediately and before walking on area. Absorb with inert material – sand, soil, vermiculite. Collect and dispose of in an approved waste disposal facility and in accordance with all Federal, State and local regulations.

**NEUTRALIZING CHEMICALS:** n/a

**WASTE DISPOSAL METHOD:** Follow all applicable Federal, State and local regulations.

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VIII. SPECIAL PROTECTION INFORMATION

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**VENTILATION REQUIREMENTS:** Normal room ventilation (mechanical) should be satisfactory.

**SPECIFIC PERSONAL PROTECTIVE EQUIPMENT**

**EYE:** Wear goggles or face shield.

**GLOVES:** Wear rubber gloves.

**RESPIRATORY:** Wear a NIOSH/OSHA approved respirator. **OTHER EQUIPMENT:** Eye bath, shower.

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IX. SPECIAL PRECAUTIONS

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**PRECAUTIONARY STATEMENTS:** Avoid contact with eyes. Do not ingest or inhale.

**OTHER HANDLING AND STORAGE REQUIREMENTS:** Keep lid tightly closed. Store in a dry area, above freezing and below 105°F, and out of direct sunlight. Keep out of reach of children.

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**PREPARED BY:** Nancy Tami, Quality Control Manager

**REV. DATE:** 05-30-03

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.