

# MATERIAL SAFETY DATASHEET

BioStim, LLC  
PO Box 1737  
Boerne, TX 78006

Date: Jan 2012

For Emergency Call: (800) 338-8812

## SECTION I: IDENTIFICATION

**Trade Name: KB4-F (Drain Line Formula)**

Chemical Family: Lyophilized bacterial cultures

Chemical name: No ICU for this mixture is known to exist

D.O.T. Hazard Class: Not applicable

D.O.T. Label(s): Not applicable

D.O.T. Proper Shipping Name: Chemical not otherwise indexed [NOI], non hazardous

## SECTION II: PRODUCT COMPOSITION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>	<u>TLV(ACGIH)</u>
Bacterial Cultures	N/A	Gt. 1%	N/A

Ingredients are proprietary. No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. Active ingredients 99.9% live bacteria.

## SECTION III: PHYSICAL DATA

**Boiling Point:** no data

**Vapor Pressure (mm Hg):** no data

**Vapor Density:** no data

**Solubility in Water:** moderate – contains viable bacteria pH: 6.5 – 8.5

**Appearance and odor:** color: tan-black, free flowing powder and yeast like odor

**Bulk Density:** about 0.66 – 0.77 gm/cm<sup>3</sup>

**Surface Tension (KYNES/CM @ 25C):** n/a

**Evaporation Rate (Butyl acetate = 1):** n/a

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** no data

**Flammable limits in air by volume:** lower – no data

**Extinguishing Media:** water spray, carbon dioxide, dry chemical

**Special Firefighting Procedures:** none

**Unusual Fire and Explosion Hazard:** None known

**Method Used:**

**Upper:** no data

## SECTION V: REACTIVITY DATA

**Stability:** Stable under normal conditions

**Incompatibility (materials to avoid):** Strong acids or alkali compounds may inactivate product

**Hazardous decomposition or byproducts:** None

**Hazardous polymerization:** Will not occur

## SECTION VI: HEALTH HAZARD ASSESSMENT

**Inhalation Health Risks and Symptoms of Exposure:** Product may produce nuisance dust which will irritate respiratory passages. Can cause allergic type response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.

**Eye Contact Health Risks and Symptoms of Exposure:** This material may cause eye irritation.

**Skin Absorption Health Risks and Symptoms of Exposure:** Slight redness on hands and forearms, if individual has a history of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin. Systematically toxic concentrations will probably not be absorbed through the skin in man. Organisms used are nonpathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

---

**Other effects of overexposure:** None known

**First-aid procedures:**

**Eyes:** Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel.

**Skin:** Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.

**Ingestion:** Drink water or milk to dilute. Induce vomiting only if advised by physician or poison control center. Call physician or poison control center.

**Inhalation:** Remove victim to fresh air.

---

**SECTION VII: SPILL OR LEAK PROCEDURES**

---

**Steps to be taken in case material is released or spilled:** Wear dust mask for nuisance dust during cleanup. For small spills, flush to waste treatment sewer. For large spills, contain and collect for reuse. (Product is biodegradable)

**Disposal method:** Disposal of this products residues must be in accordance with all local, state, and federal requirements.

---

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

---

**TLV or suggested control value:** No TLV assigned to this mixture. Control of exposure to below the TLV for the ingredients (see SECTION II) will be sufficient. Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high temperatures and humidity. The ACGIH avoid prolonged exposure to high temperatures and humidity. The ACGIH TLV's shown in SECTION II are OSHA PEL's (Permissible Exposure Limits).

**Ventilation:** General mechanical ventilation

**Respiratory protection (specify type):** None required for recommended use. Avoid creating aerosol in poorly ventilated areas.

**Eye protection:** Face shield recommended

**Protective clothing:** Latex gloves for hygiene

**Other protective equipment:** Eyewash station in work area

---

**SECTION IX: PRECAUTIONS OR OTHER COMMENTS**

---

**Precautions to be taken in handling or storing:** Prevent skin and eye contact. Avoid creating aerosol. Wash hands thoroughly with soap and water after use. People with autoimmune deficiencies should avoid contact with the product.

**KEEP OUT OF REACH OF CHILDREN**

---

**SECTION X: OTHER COMMENTS**

---

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof BIOSTIM, LLC makes no representation as to the completeness or accuracy of such information and recommendations for specialty application. BioStim, LLC shall in no event be responsible for any damages of application. BioStim, LLC shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations for specialty application. You are encouraged to advise anyone working with or exposed to such products of the information contained herein. Additionally, since actual use by others is beyond our control, no guarantee, express or implied, is made by BioStim, LLC as to the effect of such use, the results to be obtained, or the safety and toxicity of the product nor does BioStim, LLC assume any liability arising out of use, misuse by others of the product referred to herein. Information provided herein is provided by BioStim, LLC solely for customer's assistance in complying with the Occupational Safety and Health Act of 1970 and regulations there under. Any other use is prohibited.

---