



Safety Data Sheet

KBMD-DLC (MicroDrip® Drain Line)

Section 1. Product and Company Identification

Product Name: MicroDrip® (KBMD-DLC)
Product Code: V-F-BST-MDCAR-06X01E
Effective Date: April 2014

Manufacturer Information:
 Douglas Products and Packaging Company
 1550 East Old 210 Highway
 Liberty, Missouri 64068
 Information Phone: (816) 781-4250
 Emergency Phone: Chemtrec (800) 424-9300

Section 2. Ingredients and Hazards Identification

Hazardous Components		Occupational Exposure Limits			
Component	CAS Number	OSHA PEL	ACGIH TLV	Weight Percent	Section 313
Bacterial Cultures	N/A	N/A	N/A	≤1	No
Water	7732-18-5	N/A	N/A	≤98	No
Proprietary	N/A	N/A	N/A	≤1	No

This product does not contain EPCRA Section 313 chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Lyophilized bacterial cultures.

Section 3. Hazard Identification

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

Section 4. First Aid Measures

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 5. Fire Fighting Measures

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

Section 6. Accidental Release Measures

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 7. Handling and Storage

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Section 8. Exposure Control/Personal Protection

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

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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 9. Physical and Chemical Properties

Odor	-	Vapor Pressure	No data
Color	Amber	Vapor Density (air=1)	No data
Physical State	Liquid	Bulk Density	0.99 – 1 gm/cm ³
Solubility in Water	moderate – contains viable bacteria pH: 6.5 – 8.5	Surface Tension (KYNES/CM @ 25C):	N/A
Evaporation rate (Butyl acetate)	N/A	Boiling Point	No data

Section 10. Stability and Reactivity

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 11. Toxicological Information

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Section 12. Ecological Information

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 13. Disposal Considerations

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

Section 14. Transport Information

D.O.T. Classification: Chemical not otherwise indexed [NOI], non hazardous

Shipping Name: KBMD-DLC (MicroDrip® Drain Line)

Technical Shipping Name: Bacteria, sewage or industrial waste treating, in dry or liquid carrier, with or without enzymes, NMFC 20400 Sub 1

Labels: Not applicable

Air transport ICAO-TI and IATA-DGR: Not Regulated. Safe for transport by air.

Section 15. Regulatory Information

EPCRA 311/312 Categories:

Immediate (Acute) Health Effects: No

Delayed (Chronic) Health Effects: No

Fire Hazard: No

Sudden Release of Pressure: No

Reactivity: No

Section 16. Other Information

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