

FlyGel™

Professional Strength Bacterial Formulation for Drain and Filth-Breeding Fly Infestations

- ◆ *Removes organic material where drain and filth-breeding flies breed*
- ◆ *Designed to cling to the sides of drains and pipes*
- ◆ *Can be sprayed onto hard-to-access non-drain breeding sites*
- ◆ *Safe for all types of plumbing*
- ◆ *Improved formulation of bacteria selected to work faster and to have a longer shelf life*
- ◆ *Reduces noxious drain odors and improves flow in slow drains*
- ◆ *Biodegradable, non-toxic, non-pathogenic, and non-caustic*
- ◆ *Salmonella-free*

Description

Drain and filth-breeding flies of various varieties appear suddenly in restaurants, hotels and homes and become so numerous that they fall into food, showers, bathtubs, sinks and floor drains.

These flies reproduce in moist organic material on the sides of drains and pipes, in cracks and crevices, and in polluted shallow water. The most effective method of eliminating drain and filth-breeding flies is to remove the organic material where the flies breed.

FlyGel is a gel which clings to drain lines. FlyGel can also be easily sprayed into cracks and crevices and onto hard-to-access non-drain breeding sites. FlyGel's formulation incorporates specialized microorganisms in combination with biological support ingredients and essential growth factors. This unique formulation promotes improved performance in degradation of organic materials in both aerobic and anaerobic environments.

FlyGel is also specifically designed to block the production of odors frequently occurring in drain lines, sewer lines and grease traps.

Characteristics

Bacteria Count:	>550 Billion/gallon
Bacteria Type:	Blend of 5 Bacillus Spores
Salmonella/	
Shigella:	Negative
Appearance:	Blue
Fragrance:	Herbal
Stability:	2 years+ at 35°F to 95°F

Storage and Handling

Store in cool, dry place. Avoid inhalation, wash hands after contact, and avoid eye contact.

Availability

- ◆ 32 Fl Oz (1 Quart) 946 ML Refillable Dispensing Bottles - 12 Bottles Per Case
- ◆ 128 Fl Oz (1 Gallon) 3.79L Bottles - 4 Bottles Per Case
- ◆ 5 Gallon (18.95L) Pails

Additional Information

Internet: www.bio-systems.com

Contact Your Local FlyGel Distributor

American Bio-Systems

P.O. Box 577, Honolulu, Hawaii 96809-0577
(888) 371-3353 • Fax (808) 532-1339 • Internet: www.bio-systems.com



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT

Product Name	Manufacturer/Distributor	Emergency Telephone Number
FlyGel	American Bio-Systems, Inc. P.O. Box 577 Honolulu, Hawaii 96809-0577	PHONE: (808) 532-1332 INQUIRY: American Bio-Systems, Inc. EMERGENCY: (808) 532-1332 OUTSIDE USA: (808) 532-1332

SECTION II - HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS

% MAX	CAS NO.	CHEMICAL NAME
100%		Proprietary mixture

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H2O=1)	1.0	Boiling point	>100 Deg. C
Vapor Pressure (mm Hg)	=Water	Melting Point	N/A Deg. C
Vapor Density (Air=1)	=Water	Evaporation Rate	1 (Water=1)
Percent (by volume)	Nil	pH	7.0-7.8
Solubility in Water	99%	Odor	Perfumed
Appearance	Med. Blue Liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Deg.C)/Method Used	Not determined
Flammable Limits	NA
Extinguishing Media	Carbon dioxide, dry chemical, water
Special Fire Fighting Procedures	Use self-contained breathing apparatus and protective clothing when fighting fires.
Unusual Fire and Explosion Hazards	None

SECTION V - REACTIVITY DATA

Stability	Stable under normal conditions
Incompatibility (Materials to Avoid)	Oxidizing agents. Strong acids or alkali compounds may inactivate biological cultures.
Decomposition or Byproducts	Oxides of sulfur and nitrogen.
Hazardous Polymerization	Will not occur

SECTION VI - HEALTH HAZARD DATA

Route (s) of Entry:

Inhalation?	Low
Skin?	Low
Ingestion?	Low
Eyes?	Low

Health Hazards (Acute and Chronic): HMIS rating H=1 F=0 R=0

Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Eye contact is painful and irritating and may cause burns.

Skin contact may cause slight redness on hands and forearms of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin. Organisms used are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

Inhalation: Mist caused by manufacturing operation may irritate nasal passages and throat.

Occupational Exposure Limits:

CAS #	OSHA STEL	OSHA PEL	ACGIH TLV	ACHIG CEILING	OTHER SKIN
NONE					

SECTION VI - HEALTH HAZARD DATA (Continued)

Carcinogenicity:

NTP? No
 IARC Monographs? No
 OSHA Regulated? No

Signs and Symptoms of Exposure:

Inhalation Irritation
 Skin Contact Irritation
 Ingestion None in small amounts
 Eye Contact Burning, irritation

Medical Conditions Generally Aggravated by Exposure: Dermatitis.

Emergency and First Aid Procedures:

Inhalation Remove to fresh air.
 Skin Contact Remove contaminated clothing, wash with soap and water.
 Ingestion Induce vomiting only if advised by physician.
 Eye Contact Flush with copious amounts of water for at least 15 minutes and have eyes examined and treated by medical personnel.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken in Case Material is Released or Spilled:

Small Spills: Mop up or absorb on inert material.
 Large Spills: Contain and place in appropriate container for disposal.

Waste Disposal Method: Disposal of this product or its residues must be in accordance with all local, state and Federal requirements.

To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110° F. and keep from freezing. Keep out of direct sunlight.

Precautions To Be Taken in Handling and Storing: Follow good housekeeping and hygiene practices to help prevent accidental exposure or ingestion.

Other Precautions: Wash affected areas of body after using.

SECTION VIII - CONTROL MEASURES

Respiratory Protection	NIOSH approved respiratory equipment not required under normal conditions.
Ventilation	Yes
Local Exhaust	Yes
Forced Exhaust	No
Protective Gloves	Rubber
Eye Protection	Goggles
Other Protective Clothing or Equipment	None
Work/Hygienic Practices	Wash hands and face before eating, drinking or smoking after handling material.

SECTION IX - REGULATORY INFORMATION & REFERENCES

Not subject to Proposition 65 labeling requirements.
 All non-biological ingredients are listed on the TSCA inventory.

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302 Reporting No
 SECTION 304 Reporting No
 SECTION 313 Reporting Required No
 SECTION 312 Reporting Required Yes
 CERCLA Reporting Required No
 RCRA Reporting Required No
 Canadian WHMIS Classification Class D2B
 D.O.T. Proper Shipping Name Not D.O.T. Regulated
 D.O.T. ID Number Not Regulated
 D.O.T. Hazard Class Not D.O.T. Regulated

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INSTRUCTIONS FOR USE

FOR DRAINS

PREPARATION: If drain is not regularly used, moisten drain by pouring 1-2 gallons of warm water into drain. For all applications, apply product at time of lowest drain use, ideally at end of day after the use of all cleaning and sanitation products has been completed.

START UP: Add four ounces per day to each drain in area where fly activity is present. Apply around edge of drain, attempting to coat sides of drain. Repeat dosage daily for 5-7 days.

FOR MAINTENANCE: Apply four ounces per drain once or twice per week.

FOR NON-DRAIN AREAS (cracks, crevices, trash containers, etc.)

PREPARATION: Remove loose and heavy surface organic matter from suspected breeding site.

START UP: Spray site liberally until wet. Repeat application daily for 5-7 days or until organic material has been removed.

FOR MAINTENANCE: Spray sites once or twice per week, adjusting frequency based on results.

KEEP OUT OF THE REACH OF CHILDREN

**DO NOT FOG INTO AIR OR APPLY TO
AIR MOVING EQUIPMENT THAT MAY
ATOMIZE PRODUCT**

CAUTION

MAY CAUSE EYE AND SKIN IRRITATION. HARMFUL IF SWALLOWED. Do not take internally. Avoid contact with eyes, skin and clothing. Wash thoroughly after using.

FIRST AID

EYE: Immediately flush with plenty of water for 15 min. and call physician.

SKIN: Wash thoroughly with plenty of water and soap.

INGESTION: Seek physician immediately, show MSDS or label. See MSDS.

American Bio-Systems

Information Call (888) 371-3353

Made in U.S.A.