



Bacterial Formulation for General Cleaning and Removal of Organic Material

- ◆ *One-step procedure for general floor cleaning and removal of organic material from hard-to-access corners, cracks and crevices*
- ◆ *Safe for all washable floor surfaces*
- ◆ *Removes organic material from drain lines and drain areas*
- ◆ *Safe for all types of plumbing*
- ◆ *Can be sprayed onto hard-to-access sites*
- ◆ *Biodegradable, non-toxic, non-pathogenic, and non-caustic*
- ◆ *Salmonella-free*

Description

Restaurants, hotels and other food service facilities often experience sanitation problems associated with the accumulation of organic material that is not removed with traditional floor mopping products. These problems include fruit fly, drain fly, and other small filth-breeding fly infestations; plus noxious odors and slow drains.

To eliminate small-fly infestations, pest control professionals often advise their clients to improve cleaning practices and to use a biological degrader. Most clients do not comply and their problems persist.

BioMop is a general floor cleaner combined with a highly concentrated biological degrader. BioMop cleans the floor and removes organic material -- **all in one step.**

BioMop can replace the current floor cleaning product, or it can also be used as a biological rinse when another floor cleaning product is preferred.

BioMop can also be sprayed into problem areas that cannot be reached during regular mopping.

Characteristics

Bacteria Count:	>200 Billion/gallon
Bacteria Type:	Blend of Bacillus Spores
Salmonella/ Shigella:	Negative
Appearance:	Tanish Brown
Fragrance:	Citrus
Stability:	2 years+ at 35°F to 95°F
pH Value:	8.5 - 8.9

Storage and Handling

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

Availability

- ◆ 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 BioMop Distributor

American Bio-Systems

P.O. Box 577, Honolulu, Hawaii 96809-0577
(888)371-3353 • Fax (888)708-5353 • Internet: www.bio-systems.com



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT

Product Name	Manufacturer/Distributor	Emergency Telephone Number
BioMop	American Bio-Systems, Inc. P.O. Box 577 Honolulu, Hawaii 96809-0577	PHONE: (888) 371-3353 INQUIRY: American Bio-Systems, Inc. EMERGENCY: (888) 371-3353 OUTSIDE USA: (888) 371-3353

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	8.5 - 8.9
Solubility in Water	99%	Odor	Perfumed
Appearance	Clear to tanish brown		

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	Sulfur dioxide and hydrogen sulfide.
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=1

Relative to other materials, a single dose of this product is rarely toxic by ingestion. 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 if individual has a history of dermal allergic reaction.

Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin. Systemically

toxic concentrations will probably not be absorbed through the skin in man. 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					

BioMop - MATERIAL SAFETY DATA SHEET

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 Irritation of the mouth and throat.
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 Drink water or milk to dilute. Induce vomiting only if advised by physician or Poison Control Center. Call Poison Control Center.
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: Where possible, flush down drain to waste treatment sewer.

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.

Precautions To Be Taken in Handling and Storing: This is an industrial chemical. 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

SECTION IX - REGULATORY INFORMATION & REFERENCES

Not subject to Proposition 65 labeling requirements.

All 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



**Bacterial Formulation for General Cleaning
and Removal of Organic Material
32 FL. OZ. (1 Quart) 946 ML**

- ◆ *One-step procedure for general floor cleaning and removal of organic material from hard-to-access corners, cracks, and crevices*
- ◆ *Removes organic material from drain lines and drain areas*
- ◆ *Can be sprayed onto hard-to-access sites*
- ◆ *Safe for all washable floor surfaces*
- ◆ *Safe for all types of plumbing*
- ◆ *Biodegradable, non-toxic, non-pathogenic, and non-caustic*
- ◆ *Salmonella-free*

INSTRUCTIONS FOR USE

For Use As General Floor Cleaner

- 1) Pour 4 ounces of BioMop™ into 2 gallons of mop water.
- 2) Mop floor in normal manner insuring to mop in all corners, cracks, crevices and under equipment.
- 3) After completing mopping, pour remaining mop water into each drain in equal portions.
- 4) If problem areas exist that cannot be reached during mopping, pour undiluted BioMop™ into a sprayer and spray problem areas until wet.

For Use As Biological Rinse

- 1) Mop floor in the usual manner.
- 2) Pour 4 ounces of BioMop™ into 2 gallons of water.
- 3) Rinse floor including in corners, cracks, crevices and under equipment.
- 4) After completing rinse, pour remaining mop water into each drain in equal portions.
- 5) If problem areas exist that cannot be reached during rinsing, pour undiluted BioMop™ into a sprayer and spray problem areas until wet.

KEEP OUT OF THE REACH OF CHILDREN

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS &
DOMESTIC ANIMALS**

CAUTION: HARMFUL IF SWALLOWED: Wash thoroughly with soap and water after handling. **HARMFUL IF INHALED:** Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. **CAUSES MODERATE EYE IRRITATION:** Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID: IF SWALLOWED: Call a physician or Poison Control Center. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

American Bio-Systems

Information Call (888) 371-3353

Made in U.S.A.