



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*
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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 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.