

**New Formula  
With MGD**



## **Bacteria Formulation for General Cleaning and Removal of Organic Material**

- ◆ *One-step procedure for general floor cleaning and removal of grease and organic waste from hard-to-access corners, cracks and crevices*
- ◆ *Removes grease and organic waste from drain lines and drain areas*
- ◆ *Cleans grout and penetrates porous floor surfaces*
- ◆ *Safe for all types of plumbing*
- ◆ *Can be applied by mopping or hosing. Safe for all washable surfaces*
- ◆ *Biodegradable, non-toxic, non-caustic and non-pathogenic*
- ◆ *Salmonella and Shigella free*

### **Description**

Restaurants and other food preparation facilities often experience sanitation problems associated with the buildup of kitchen grease (organic waste) on floors, in drains, and under heavy equipment. These problems include fruit and drain fly infestations, slippery floor surfaces, foul odors, and clogged (slow) drains. Mopping with standard floor cleaning products, or hosing/power washing with water only, **does not** remove grease and organic waste – it only breaks it up pushing it into drains and under equipment where it accumulates.

New formula **BioMop™** is a state-of-the-art floor cleaner combined with a highly concentrated biological degrader. The biological component consists of Bacillus-family microorganisms including **MGD™** (Microbial Grease Degradar), a patent-pending strain that breaks down long chain fatty acids – the primary component of problem grease deposits. **BioMop™** quickly penetrates porous floor surfaces and digests grease that accumulates over time. It also inhibits foul odors caused by rancid or anaerobic environments. **BioMop™** cleans the floor and removes organic waste – **all in one step**.

**BioMop™** can be applied by mopping or hosing. For mopping add 2 oz. to 1-gallon water and mop in the usual manner (treat drains by pouring the unused mop water into each drain). To apply by hosing use the **BioMop Hose End Sprayer** (for smaller facilities) or the wall-mounted **BioMop Application System** (for larger facilities). Both systems inject **BioMop™** into the water stream at pre-set dilution ratios. Visit [www.bio-systems.com](http://www.bio-systems.com) for additional product information.

### **Product Characteristics**

|                      |                                 |
|----------------------|---------------------------------|
| Bacteria Count:      | >200 Billion/gallon             |
| Bacteria Type:       | Blend of Bacillus Spores        |
| Salmonella/Shigella: | Negative                        |
| Appearance:          | Blue (colorless after dilution) |
| Fragrance:           | No fragrance added              |
| Stability:           | 2 years+ at 35°F to 95°F        |
| pH Value:            | 7.5 - 8.0                       |

### **Storage and Handling**

Store in cool, dry place. Avoid eye contact. Wash hands thoroughly with warm, soapy water after contact.

### **Availability**

- 128 FL. Oz. (1 Gallon) - 3.79L - 4 Bottles/Case
- 5 Gallon (18.95L) Pails
- 55 Gallon Drums

### **Additional Information**

[www.bio-systems.com](http://www.bio-systems.com)

### **Contact Your Local BioMop Distributor**

# **American Bio-Systems**

(888) 371-3353 • Fax (888) 708-5353  
[customersupport@bio-systems.com](mailto:customersupport@bio-systems.com) • [www.bio-systems.com](http://www.bio-systems.com)



# Material Safety Data Sheet

## Section 1 - Product

| Product Name | Manufacturer/Distributor   | Emergency Telephone Number                                                                                               |
|--------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| BioMop       | American Bio-Systems, Inc. | Phone: (888) 371-3353<br>Inquiry: American Bio-Systems, Inc.<br>Emergency: (888) 371-3353<br>Outside USA: (888) 371-3353 |

## Section 2 - Ingredients

| INGREDIENT                  | CAS NO.    | TLV (ACGIH) |
|-----------------------------|------------|-------------|
| Alkoxylated Linear Alcohol  | 68987-81-5 | NA          |
| Alkyl Sulfate               | 2235-54-3  | NA          |
| Dodecylbenzenesulfonic Acid | 27176-87-0 | NA          |
| Fragrance                   | 5989-27-5  | NA          |
| Viable Bacterial Cultures   | NA         | NA          |
| Water                       | 7732-18-5  | NA          |

## Section 3 - Physical/Chemical Characteristics

|                               |                                 |                  |                    |
|-------------------------------|---------------------------------|------------------|--------------------|
| Specific Gravity              | 1.0                             | Boiling Point    | 100 Deg. C         |
| Vapor Pressure (mm Hg at 20C) | =Water                          | Melting Point    | N/A Deg. C         |
| Vapor Density (Air=1)         | =Water                          | Evaporation Rate | 1 (Water=1)        |
| Solubility in Water           | 99%                             | pH               | 7.5-8.0            |
| Appearance                    | Blue (colorless after dilution) | Odor             | No fragrance added |

HMIS rating (0-4): Health = 1, Fire = 0, Reactivity = 0

## Section 4 - Fire and Explosion Hazard Data

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Flash Point (Deg C)/Method Used    | NA                                              |
| Autoignition Temp.                 | NA                                              |
| Flammable Limits                   | NA                                              |
| Extinguishing Media                | Water spray, carbon dioxide, dry chemical power |
| Special Fire Fighting Procedures   | None                                            |
| Unusual Fire and Explosion Hazards | NA                                              |

## Section 5 - Reactivity Data

|                                      |                                                                     |
|--------------------------------------|---------------------------------------------------------------------|
| Stability                            | Stable under normal conditions                                      |
| Incompatibility (Materials to Avoid) | Strong acids or alkali compounds may inactivate biological cultures |
| Hazardous Decompositions Products    | None                                                                |
| Hazardous Polymerization             | Will not occur                                                      |



## Material Safety Data Sheet

### Section 6 - Health Hazard Assessment

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Ingestion                     | Ingestion may result in abdominal pain, nausea and vomiting.                             |
| Eye Contact                   | This material may cause eye irritation.                                                  |
| Skin Contact                  | Contact may cause irritation.                                                            |
| Skin Absorption               | Systemically toxic concentrations will probably not be absorbed through the skin in man. |
| Inhalation                    | None known.                                                                              |
| Other Effects of Overexposure | None known.                                                                              |

#### First Aid Procedures

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

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

Ingestion: Induce vomiting only if advised by physician or poison control center.

### Section 7 - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Where possible, flush down drain to waste treatment sewer; otherwise, on small spills, use chemical absorbent and sweep up. For large spills, contain and collect for reuse or disposal.

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

### Section 8 - 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 2) will be sufficient. Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temps above 110F and keep from freezing.

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| Ventilation            | Normal room ventilation.                                                               |
| Respiratory protection | None required for recommended use. Avoid creating aerosols in poorly ventilated areas. |
| Protective clothing    | NA                                                                                     |
| Inhalation             | None known.                                                                            |
| Eye protection         | Safety glasses.                                                                        |

### Section 9 - Special Precautions or Other Comments

Precautions to be taken in handling or storing: Prevent skin and eye contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes.

Revised 5/30/2001



**Bacteria Formulation for General Cleaning  
and Removal of Organic Material**

**INSTRUCTIONS FOR USE**

**FOR MOPPING APPLICATION**

- 1) Add 4 ounces of **BioMop™** to 2 gallons of water.
- 2) Mop floor in normal manner insuring to mop in all corners, cracks, crevices and under equipment.
- 3) After mopping is completed, 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 spray bottle and spray problem areas until wet.

**FOR HOSING AND  
POWER WASHING APPLICATION**

- 1) Pre-rinse floor with hose or power washer with water-only in the usual manner.
- 2) Using either the **BioMop Hose End Sprayer** (for smaller facilities) or the **BioMop Application System** (for larger facilities), apply **BioMop™** according to the application system's instructions.
- 3) Thoroughly rinse all floor areas with **BioMop™** including under equipment, in cracks and crevices, and around all drain areas.
- 4) If necessary, squeegee excess water into floor drains.

**IMPORTANT**

- 1) **DO NOT** mix **BioMop™** with other floor cleaning products, especially products with a high pH value or containing chlorine bleach.
- 2) **DO NOT** rinse with water-only or apply disinfectants to floor area after **BioMop™** application.

**DESCRIPTION**

New formula **BioMop™** is a state-of-the-art cleaner combined with a highly concentrated biological degrader. The biological component consists of Bacillus-family microorganisms including **MGD\*** (Microbial Grease Degradar). **MGD** is the most effective degrader of complex grease molecules (kitchen grease) ever produced. It will safely and quickly **digest** grease and other organic material from floors, hard-to-access corners, and drains. New formula **BioMop™** cleans the floor and removes organic material – **all in one step.**

\* Patent Pending

**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.