

BioMop Plus

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 non-drain areas*
- ◆ *Cleans grout and penetrates porous floor surfaces*
- ◆ *Safe for all plumbing and septic*
- ◆ *Can be applied by mopping or hosing. Safe for all washable surfaces*
- ◆ *Biodegradable, non-toxic, non-caustic and non-pathogenic*
- ◆ *Salmonella 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 or hosing/power washing with standard floor cleaning products **does not** remove grease and organic waste – it only breaks it up pushing it into drains and under equipment where it builds up over time.

New formula **BioMop Plus™** is specifically designed for cleaning restaurants and commercial kitchen floors, hard-to-access corners, and drains. **BioMop Plus™** combines patent-pending surfactants for immediate cleaning and a proprietary blend of concentrated bioenzymatic actives for degrading the most resistant grease molecules, the long-chain fatty acids. Each application of **BioMop Plus™** removes layers of embedded soil and grease. Regular use prevents food and grease waste build-up, reduces slippery floor surfaces, maintains a floor that is deep-clean and odor-free and reduces organic material buildup in drains.

BioMop Plus™ can be applied by mopping or hosing. To apply by hosing use the **BioMop Hose End Sprayer** (for smaller facilities) or the wall-mounted **BioMop Application System** (for larger facilities).

BioMop Plus™ can also be foamed with excellent results.

Product Characteristics

Bacteria Count:	>200 Billion/gallon
Bacteria Type:	Blend of Bacillus Spores
Salmonella:	Negative
Appearance:	Opaque liquid
Fragrance:	Slight
Stability:	2 years+ at 35°F to 95°F
pH Value:	8.0 - 9.5

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

American Bio-Systems

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Section 1 - Product

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

Section 2 - Ingredients

INGREDIENT	CAS NO.	OSHA TWA	AGCIH TWA
Proprietary Formulation Containing: Viable Bacterial Cultures and Enzymes	NA	NA	NA

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY. COMPONENTS NOT LISTED ARE EITHER PROPRIETARY, NON HAZARDOUS OR IN CONCENTRATIONS OF LESS THAN 1%.

Section 3 - Physical Characteristics

Specific Gravity	Approx. 1.0	Boiling Point	Not known
Vapor Pressure	No data	Melting Point	N/A
Solubility in Water	Complete	pH	8.0 - 9.5
Appearance	Opaque liquid	Odor	Slight

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

Section 4 - Fire/Explosion

Flash Point (Deg C)/Method Used	NA
LEL	NA
UEL	NA
Extinguishing Media	Water spray, carbon dioxide, and dry chemical powder
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None known

Section 5 - Reactivity Data

Stability	Stable
Incompatibility	Not known
Hazardous Decomposition or By Products	Not known
Hazardous Polymerization	Will not occur

Section 6 - Health Hazard Data

Acute Health Affects

Ingestion	Ingestion may result in abdominal pain, nausea and vomiting.
Eyes	This product may cause eye irritation.
Skin Contact	Could cause skin irritation after prolonged contact.

Section 6 - Health Hazard Data (continued)

Acute Health Affects (continued)

Conditions to Avoid	Strong acids or alkali compounds may inactivate biological cultures.
Inhalation	Inhaling mist from this product could cause irritation to the respiratory system.
Signs and Symptoms of Over Exposure	None known.
Aggravated Medical Conditions	None known, however persons with respiratory problems should avoid breathing any mist from this product. Persons with skin disorders should avoid contact with the product without protective equipment.

Emergency First Aid Procedures

Eye Contact	Rinse eyes with water for fifteen minutes; if irritation persists, see a physician.
Skin Contact	Wash the product off the skin with soap and water; if irritation develops, seek the care of a physician.
Ingestion	Watch victim for any signs of illness, induce vomiting only if advised by a physician.
Inhalation	Move person to fresh air and avoid breathing mist from product. If breathing problems develop, seek the care of a physician.

Section 7 - Spill or Leak Procedures

Steps to be taken in case material is spilled or leaked:

Waste Disposal Method: Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all federal, state and local laws.

Precautions To Be Taken In Handling and Storage: Store in a location away from children, food items and potable water. Store in an area out of the direct sunlight, keep container closed when not in use, avoid storing in a damp environment.

Always wash hands with soap and water before handling food or smoking.

Use good chemical hygiene practices when working with any chemical.

Other Precautions: None

Section 8 - Control Measures (PPE)

Ventilation	Local exhaust should be sufficient. If used in a manner that creates a mist, mechanical ventilation may be necessary.
Respiratory protection	None required for normal use.
Protective gloves	Recommended. Disposable nitrile gloves are suitable for preventing prolonged contact with the skin.
Other protective clothing	None required, however, avoid contact with the skin from soiled clothing.
Eye protection	Safety glasses are recommended if use will create splashing.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal, state and local laws.



Bacterial Formulation for General Cleaning and Removal of Organic Material

FÓRMULA BACTERIAL PARA LIMPIEZA GENERAL Y REMOCIÓN DE MATERIAL ORGÁNICO

Description

New formula **BioMop Plus™** is specifically designed for cleaning restaurant and commercial kitchen floors, hard-to-access corners, and drains. **BioMop Plus™** combines patent-pending surfactants for immediate cleaning and a proprietary blend of concentrated bioenzymatic actives for degrading the most resistant grease molecules, the long-chain fatty acids. Each application of **BioMop Plus™** removes layers of embedded soil and grease. Regular use prevents food and grease waste build-up, reduces slippery floor surfaces, maintains a floor that is deep-clean and odor-free and reduces organic material buildup in drains.

Instructions For Use

FOR MOPPING APPLICATION

- 1) Add 4 ounces of **BioMop Plus™** 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 by mopping, pour undiluted **BioMop Plus™** into a spray bottle and spray problem areas until wet.

FOR HOSE 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 Plus™** Hose End Sprayer (for smaller facilities) or the **BioMop Plus™** Application System for larger facilities), apply **BioMop Plus™** according to the application system's instructions.
- 3) Thoroughly rinse all floor areas with **BioMop Plus™** including under equipment, in cracks and crevices, and around all drain areas.
- 4) If necessary, squeegee excess water into floor drains.

FOR FOAMING APPLICATION

Mix 6 oz. **BioMop Plus™**, 3 oz. foaming agent, and 23 oz. water in a standard quart foamer. Foam into cracks and crevices, underneath equipment, and into hard to reach areas.

Precautionary Statements Hazards to Humans & Domestic Animals

CAUTION

HARMFUL IF SWALLOWED: Ingestion may cause abdominal pain, nausea, or vomiting.

HARMFUL IF INHALED: Inhalation may cause irritation to lungs and mucous membranes.

CAUSES MODERATE EYE IRRITATION: Contact with eyes may cause eye irritation.

FIRST AID

IF SWALLOWED: Watch for any signs of illness. Induce vomiting only if advised by physician.

IF INHALED: Remove person to fresh air. If breathing problems develop, see a physician.

IF IN EYES: Rinse eyes with water for 15 minutes. Call a physician if irritation persists.

Descripción

La nueva fórmula **BioMop Plus™** ha sido diseñada específicamente para la limpieza de pisos de cocinas comerciales y restaurantes, esquinas de difícil acceso y desagües. **BioMop Plus™** combina surfactantes con patentes en trámite para lograr una limpieza inmediata y una mezcla patentada de activos bioenzimáticos concentrados que degrada la mayoría de las moléculas de grasa resistentes, los ácidos grasos de cadenas largas. Cada aplicación de **BioMop Plus™** remueve las capas de tierra y grasa incrustada. El uso periódico del producto previene la acumulación de residuos de grasa y alimentos, reduce la capacidad de resbalamiento de las superficies, mantiene el piso limpio y sin olores desagradables y disminuye la acumulación de material orgánico en los desagües.

Instrucciones De Uso

PARA APLICACIÓN CON TRAPO (MAPO)

- 1) Agregue 4 onzas de **BioMop Plus™** a 2 galones de agua.
- 2) Limpie el piso normalmente y asegúrese de frotar todas las esquinas, grietas y debajo de los equipos.
- 3) Una vez finalizada esa tarea, vierta el resto en cada drenaje en partes iguales.
- 4) En áreas de difícil acceso para limpieza con trapo, vierta **BioMop Plus™** no diluido en un pulverizador y atémice en las áreas problemáticas hasta dejarlas húmedas.

PARA APLICACIÓN CON MANGUERA E HIDROLAVADORA

- 1) Limpie previamente el piso con manguera o hidrolavadora, con agua solamente y de la manera usual.
- 2) Con el pulverizador con manguera **BioMop Plus™** (para instalaciones pequeñas) o el sistema de aplicación **BioMop Plus™** (instalaciones más grandes), aplique **BioMop Plus™** de acuerdo con las instrucciones del sistema de aplicación.
- 3) Enjuague bien todos los pisos con **BioMop Plus™** incluidas las áreas debajo de equipos, grietas y hendiduras y alrededor de todas las áreas de drenaje.
- 4) De ser necesario, escurra el exceso de agua en los drenajes de los pisos.

PARA APLICACIONES QUE REQUIERAN DE ESPUMA

Mezcle 6 oz. de **BioMop Plus™**, 3 oz de agente espumógeno y 23 oz de agua en un espumador estándar de un cuarto. Introduzca la espuma en grietas y hendiduras y en áreas de difícil acceso.

Declaraciones Precautorias Riesgos Para Seres Humanos y Animales Domésticos

PRECAUCIÓN

PERJUDICIAL EN CASO DE INGESTA: La ingesta puede causar dolor abdominal, náuseas o vómitos.

PERJUDICIAL EN CASO DE INHALACIÓN: La inhalación puede causar irritación de los pulmones y membranas mucosas.

CAUSA IRRITACIÓN MODERADA DE LOS OJOS: El contacto con los ojos puede causar irritación.

PRIMEROS AUXILIOS

EN CASO DE INGESTA: Observe signos de enfermedad. Induzca el vómito sólo si así lo indica el médico.

EN CASO DE INHALACIÓN: Saque a la persona al aire fresco. Si tiene problemas para respirar, llame a un médico.

EN CASO DE CONTACTO CON LOS OJOS: Enjuague los ojos con agua durante 15 minutos. Si la irritación persiste, llave a un médico.

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Information Call (888) 371-3353
Made in U.S.A.