



**simplex**<sup>®</sup>  
**JANITORIAL  
 SUPPLIES**

**EarthMate**  
 SYSTEMS & SOLUTIONS



# **BIO-MATE**

## **Enzyme Floor Cleaner**

This product is a high performance, bacterial-enriched floor cleaner, odor eliminator, and grease digester with a pleasant potpourri scent. It is ideal for cleaning and deodorizing grout, ceramic tile, quarry tile, concrete, brick, and rubber mats with floor machine or mopping. For cleaning carpets, use pre-spray or bonnet buffing method. Inherent biological action continues to clean between regularly scheduled cleanings to help keep grease accumulations to minimum. No rinse is required for light duty application. The unique chemistry provides bleaching action that brightens surfaces as it cleans and leaves surfaces sparkling clean with a pleasant scent. Do not use on food contact surfaces.

### **DIRECTIONS**

This product must be diluted before use. See your supervisor or technical sales representative for instructions for use. Apply product by mop, sponge, sprayer, auto-scrubber or carpet extraction machine to surfaces to be cleaned. If necessary, agitate to help remove excessive soils. Rinse thoroughly with clean water as needed.

### **PRODUCT SPECIFICATIONS**

Active Ingredients:	15.0 ± 0.5%	Solubility:	Complete with water
Color:	Green, Slight hazy	Emulsification:	Excellent
Odor:	potpourri	Detergency:	Excellent
Base:	Detergent Blend	Rinsability:	Excellent
pH:	9.0 - 10.0	Flash Point:	None
Viscosity:	Water thin	Biodegradability:	Complete
Foam:	Moderate	Storage/Stability:	1 years
Abrasive:	None	Weight Per Gallon:	8.76 lbs. Per gallon
Phosphate:	None	Freeze/Thaw Stability:	Keep from freezing

Manufactured Exclusively For:

**SIMPLEX CHEMICAL CORPORATION**

6 Commercial Street, Sharon MA 02067 • 800-222-2621 • [www.simplexjanitorial.com](http://www.simplexjanitorial.com)

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Product Name:** Mix 'N' Fill 9 - Bio-Mate  
**Generic Name:** Enzyme Floor Cleaner  
**Chemical Family:** Detergent Blend  
**Formula:** Proprietary

**Suppliers Name:** Simplex Chemical Corporation  
**Suppliers Phone:** 800-222-2621  
**Suppliers Website:** www.simplexjanitorial.com

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	A

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	TWA-TLV	Reportable EPA-SARA 313	Reportable CARCINOGEN
Water	7732-18-5	to 100			
Bacterial Spores (genus Bacillus)	N/A	5 to 10	Not Established	No	No
Odor Neutralizer	N/A	0 to 5	Not Hazardous	No	No
Non-Ionic Surfactant	9016-45-9	0 to 5	Not Hazardous	No	No
Tetrasodium EDTA	64-08	0 to 5	N/A	No	No
Fragrance	N/A	0 to 5	N/A	No	No

## SECTION 3-PHYSICAL DATA

Boiling Point (F): 212° F.      Specific Gravity: 1.052      Vapor Pressure: 20mm Hg @68F.  
Vapor Density (Air=1): >1      % Volatile:95+      pH: 9.0 - 10.0  
Solubility in Water: Complete      Evaporation Rate (Water=1): =1  
VOC Contents: % = None  
Physical Description: Slightly hazy liquid with potpourri odor.

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None      Hazard Class: N/A      Pictograph  
Upper Explosion Limit: Unknown      Lower Explosion Limit: Unknown  
Extinguishing Media: Not required  
Special Firefighting Procedures: Keep fire exposed containers cool with water.  
Unusual Fire and Explosion Hazards: Not Applicable

## SECTION 5-REACTIVITY DATA

Stability: Stable      Pictograph  
Hazardous Polymerization: None  
Hazards Decomposition Products: Will not occur  
Incompatibility (Materials to Avoid): None

## SECTION 6-STORAGE AND HANDLING INFORMATION

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid contact with open wounds/sores. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**  
Skin: Prolonged or repeated contact may cause irritation and/or dermatitis (dry Skin)  
Eyes: Eye irritant. Liquid and mists may cause redness, tearing, burning discomfort.  
Inhalation: N/A  
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting, and diarrhea expected with large doses.

**First Aid Procedures:**  
Skin: Remove contaminated clothing. Flush with water. Seek medical attention if irritation persists.  
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.  
Inhalation: Get to fresh air. Seek medical attention if irritation persists.  
Ingestion: Do not induce vomiting. Give large quantities of water. Seek medical attention immediately.

## SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements  
Ventilation Requirements: No special requirements.  
Protective Gloves: Waterproof gloves (rubber) recommended  
Eye Protection: Safety glasses where danger of mist contact may occur.  
Other Protective Equipment: Eyewash station nearby.

## SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Waste Disposal Method: Dispose of in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not disposal of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

## SECTION 10-REGULATORY INFORMATION

**SARA Title III - Section 311/312 -Hazard Categories:**  
No - Fire Hazard  
No - Sudden Release of Pressure Hazard  
No - Reactivity Hazard  
No - Immediate (acute) Health Hazard  
No - Delayed (chronic) Health Hazard

### Shipping Information (domestic shipments only):

FOR 1-GALLON CONTAINERS: Cleaning Compound, non-hazardous  
FOR CONTAINERS = 1/2 GALLON: Cleaning Compound, non-hazardous

## SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.