

MIGHTY MAC BRAND

REFRESH *Uric Acid Remover*

DESCRIPTION

A concentrated suspension of bacterial spores designed for high enzyme production to digest and liquefy solid waste. Enzymes such as amylase, protease, lipase, and cellulase are produced and regenerated by this product, thus multiplying the product's effectiveness. These enzymes degrade starch, carbohydrates, protein, grease, fats, and cellulose. Safe to use and handle with a pleasant odor. Excellent for spotting stains on all fabrics, toilet bowls and restroom surfaces, grease traps and drains, sewage plants, sumps, septic tanks, and portable toilets.

DIRECTIONS

General Deodorizing - Spray product directly onto the cause of the odor. In restrooms, spray directly into bowl, then flush. Spray surrounding surfaces to deodorize.

Laundry Pre-spotter - Spray soils and stains with product before washing.

Grease Traps - Pour 5-10 ounces of product down drain closest to grease trap daily. It is best to apply product when drain will not be used for a period of time such as over night.

Drain Lines - Use 4-6 ounces twice a week to keep drain lines clear.

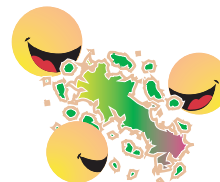
Septic Tanks - Add 1 quart for initial treatment. Use 6 ounces per week thereafter by flushing down toilets.

Portable Toilets - Add 1 gallon directly into toilet and cover solids with water. Repeat every time toilet is emptied.

NOTE: Do not use with disinfectants, hot water or chlorine bleaches.

PRODUCT SPECIFICATIONS

Color:	White emulsion
Odor:	Bubble gum
pH:	7.0 - 8.0
Bacterial Count:	Over 100 billion per gal.
Fumes:	None
Viscosity:	Water thin
Effective Temperature Range:	50 ^o -120 ^o F
Acid Content:	None
Caustic Content:	None
Phosphate Content:	None
Solubility:	Complete with water
Flash Point:	None
Biodegradability:	Complete
Storage/Stability:	1 years (store out of direct sunlight)
Weight per Gallon:	8.33 lbs./gal.
Freeze / Thaw Stability:	Keep from freezing



Reorder#
19-0220



END

Prepared by: Regulatory Affairs Dept.

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

N/A=Not Applicable

Effective Date: 1/09 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Refresh
Generic Name: Uric Acid Remover
Chemical Family: Bacterial Spore Blend
Formula: Proprietary

Suppliers Name: Michco
Suppliers Address: 2011 N. High St., Lansing, MI 48906
Suppliers Website: www.Michco.com

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Bacterial Spores (genus <i>Bacillus</i>)	N/A	5 to 10			
Nonionic Surfactant	9016-45-9	0 to 5			
Acrylic Emulsion	N/A	0 to 5			
Perfume Oil	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 95+
Solubility in Water: Complete
Physical Description: Thin white liquid with pleasant odor.

Specific Gravity: 1.00
Vapor Density (Air=1): >1
pH: 7.0-8.0
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Will not occur.

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

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

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Slight irritant. Prolonged or repeated contact may cause dermatitis. May infect open wounds.
Eyes: Eye irritant. Liquid and mists may infect the eyes.
Inhalation: N/A
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected from large doses.
First Aid Procedures:
Skin: Remove contaminated clothing. Flush affected areas with large quantities of water followed by washing with mild soap. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water. Seek medical attention.
Inhalation: N/A
Ingestion: Give large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Waterproof.
Eye Protection: Safety glasses.
Other Protective Equipment: N/A. Wash hands thoroughly after each use.

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. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to open waterways.
Waste Disposal Method: Any method 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 dispose 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:
 FOR CONTAINERS > 1 Gallon : Cleaning Compound
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

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