

MIGHTY MAC BRAND

Environmentally Friendly

EF Scrub & Recoat Cleaner

MICHCO



Substantiable
Certified

DESCRIPTION

This Scrub and Recoat Cleaner is a biodegradable, non-toxic, environmentally responsible floor cleaner specifically designed for the interim maintenance procedure of scrubbing and recoating without the use of harmful chemicals, such as: phosphates (promote algae blooms), EDTA (carcinogen) and NPE (harmful biodegradable intermediate). This is the ideal product for any type of floor maintenance program to help extend the time between restorative stripping procedures, saving time and labor. When used as directed, this Scrub and Recoat Cleaner aggressively removes embedded soils and scuffs in the top layers of floor finish, and prepares the surface for re-coating with minimal rinsing required. This low foam formula leaves a clean, film free surface, making it ideal for use in an auto scrubber. Scrub and Recoat Cleaner can also be used to remove the factory seal from newly installed VCT flooring and is compatible with any green or traditional floor care program.

This product contains no VOCs and is formulated with a pleasant citrus fragrance.

DIRECTIONS

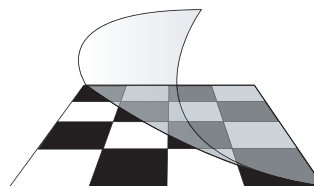
Scrubbing a Floor to Prior to Recoating- Light to Medium Buildup

1. Dilute this Scrub and Recoat Cleaner at 4 oz. per gallon of cold water (1:32).
2. Apply solution to floor using a mop or automatic scrubber.
3. Allow product to dwell for 1 – 4 minutes.
4. Agitate solution using a blue or green pad or brush.
5. Remove solution from the floor with a mop, wet vacuum or autoscrubber.
6. Rinse with clean water.
7. Allow floor to dry completely prior to recoating floor with finish.

Please Note: If initial scrubbing does not remove embedded dirt, the floor may have heavy soil build up will need to be scrubbed at 16 oz. per gallon of water (1:16).

PRODUCT SPECIFICATIONS

Color:	Blue
Odor:	Pleasant citrus
pH:	10.6
pH (1:32):	10.2
Viscosity:	Water thin
Foam:	Low
Solubility:	Complete with water
Detergency:	Excellent
Rinsability:	Excellent
Flash Point:	None
Biodegradability:	Completely
Storage/Stability:	1 year
Weight Per Gallon:	8.80 lbs. per gallon
Freeze/Thaw Stability:	Keep from freezing



Reorder#
95-0395



SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: EF Scrub & Recoat Cleaner
Generic Name: All Purpose Cleaner
Chemical Family: Detergent 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			
Sodium Carbonate	497-19-8	0 to 5			
Sodium Iminodisuccinate	144538-83-0	0 to 5			
Secondary Alcohol Ethoxylate	84133-50-6	0 to 5			
Sodium Xylene Sulfonate	1300-72-7	0 to 5			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 85+
Solubility in Water: Complete
Physical Description: Thin blue liquid with pleasant odor.

Specific Gravity: 1.055
Vapor Density (Air=1): = 1
pH: 10.0 - 11.0
Evaporation Rate (Water=1): =1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Lower 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): Strong acids and oxidizers.

SECTION 6-STORAGE AND HANDLING INFORMATION

CAUTION: Eye irritant. May cause skin irritation with prolonged or repeated contact. Avoid contact with eyes, skin and clothing. Avoid breathing of mists. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID**Effects of Overexposure:**

Skin: Prolonged or repeated contact may cause dermatitis.

Eyes: Eye irritant. May cause redness or swelling.

Inhalation: Breathing of mists may cause irritation to nose, throat, and lungs.

Ingestion: May be irritating to the mouth, throat, and gastrointestinal system.

Vomiting and diarrhea expected with large doses.

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.

Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

Ingestion: Dilute with 2 glasses 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: Chemical resistant rubber or neoprene.

Eye Protection: Chemical splash goggles or full face shield when handling.

Other Protective Equipment: Eyewash station should be provided 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. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or 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

Yes - 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	2
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