

MIGHTY MAC BRAND

Environmentally Friendly

EF Prespray & Carpet Extraction

MICHCO



Substantially
Certified

DESCRIPTION

An environmentally responsible, anti-soil, multi-purpose carpet cleaner concentrate for use as a pre-spray & extraction cleaner. Special low foaming, anti-soil cleaner is designed to maximize cleaning efficiency while minimizing sticky residue. Residue causes resoiling, which increases cleaning frequency, costing time and energy.

This Carpet & Rug Institute tested and certified cleaner effectively removes soil without any damage to the carpet. The CRI Seal of Approval is awarded to carpet cleaning products that pass stringent tests administered by an independent, accredited institute.

This product contains no Volatile Organic Compounds (VOC) as defined by State and Federal regulations.

DIRECTIONS

Pre-spray Application

1. Pre-mix 1 part of product with 16 parts of water.
2. Pre-spray areas to be cleaned and allow a dwell time of 5-10 minutes. Do not allow carpet to dry.
3. Rinse with water, removing chemical and soil.
4. Allow carpet to dry. Accelerate drying with air-moving units as needed. Vacuum carpet thoroughly.

Extraction Cleaning:

1. Pre-mix 1 part of product with 42 parts of water.
2. Pre-spray areas to be cleaned or use in the extraction machine.
3. (500-600 square feet per diluted gallon is recommended coverage)
4. Allow a dwell time of 5-10 minutes. Do not allow carpet to dry
5. Extract with water, removing chemical and soil.
6. Accelerate drying with air-moving units as needed.
7. After carpet has dried, vacuum carpet thoroughly.

Spot Cleaning:

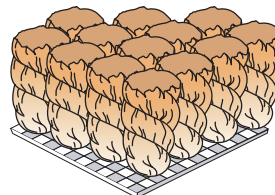
1. Dilute 1 part of product with 10 parts water before this application.

Truckmount Cleaning:

1. Stock Solution: mix 32 oz. product to 5 gallon of water.
2. Meter at 3 gallons per hour.
3. Fresh water tanks: mix 1/2 oz. product per gallon of water.

PRODUCT SPECIFICATIONS

Color:	Colorless
Odor:	Very little odor
Base:	Detergent Blend
pH:	9.0 – 9.8
Viscosity:	Water thin
Foam:	Moderate
Optical Brightener:	None
Phosphate:	None
2-Butoxyethanol:	None
Solubility:	Complete with water
Emulsification:	Excellent
Detergency:	Excellent
Rinsability:	Excellent
Biodegradability:	Complete
Storage/Stability:	1 Year
Weight Per Gallon:	8.62 lbs. Per gallon
Freeze/Thaw Stability:	Keep from freezing



Reorder#
95-0380



SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: EF Prespray & Carpet Extraction
Generic Name: Carpet Extraction Cleaner
Chemical Family: Detergent/Solvent 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			
Primary Ethoxylated Alcohol	34398-01-1	0 to 5			
Ethoxylated, Propoxylated Alcohol	84133-50-6	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	0 to 5			
Tripropylene Glycol Methyl Ether	25498-49-1	0 to 5			
Sodium Xylene Sulfonate	1300-72-7	0 to 5			
Sodium Neutralized Acrylic Copolymer Dispersion	9003-04-7	0 to 5			
Fragrance	N/A	< 0.5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212° F.
Vapor Pressure: 20mm Hg @68°F.
% Volatile: 80+
Solubility in Water: Complete
Physical Description: Thin clear liquid with pleasant fresh odor.
VOC Content: None

Specific Gravity: 1.033
Vapor Density (Air=1): >1
pH: 9.0 – 9.8 **pH (1% Solution):** 7.6
Evaporation Rate (Water=1): >1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Upper Explosion Limit: N/A **Lower Explosion Limit:** N/A
Extinguishing Media: Dry chemical, CO₂ or water
Special Firefighting Procedures: Keep fire exposed containers cool with water stream.
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable

Hazards Decomposition Products: Not Known

Hazardous Polymerization: None

Incompatibility (Materials to Avoid): Strong acids, oxidizers

SECTION 6-STORAGE AND HANDLING INFORMATION

CAUTION: Eye irritant. Skin irritant with prolonged contact. Keep out of reach of children. For use by trained personnel only. Wear protective gloves and eyewear when handling. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Skin: May cause irritation with prolonged or repeated contact (dryness, redness)

Eyes: Eye irritant. May cause conjunctivitis or possible irreversible damage.

Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.

Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain.

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 immediately.

Inhalation: Get to fresh air. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements

Ventilation Requirements: Provide mechanical exhaust when misting of product is present.

Protective Gloves: Rubber or other chemical resistant.

Eye Protection: Safety glasses or chemical splash goggles.

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: 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	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