



FLOOR COATING AND FINISHING MATERIAL
AS TO SLIP RESISTANCE ONLY
17SU

Maintenance Solutions

Emerald

Optically Enhanced Floor Cleaner



FOR USE ON:

- | | | |
|------------|-----------------|-------------|
| Vinyl Tile | Rubber Tile | Sealed Wood |
| Vinyl | Concrete | |
| Asbestos | Flagstone Brick | |
| Linoleum | Terrazzo | |

DESCRIPTION

A totally synthetic floor cleaner designed for use in a modern floor maintenance program. It's slightly acidic pH will not damage the gloss or film of any finish and is effective at neutralizing harsh cleaner residue left behind from previous use. Contains optical brighteners to enhance the beauty of floors when dry. Controlled foam makes this product ideal for use in automatic scrubbers. Will dissolve all ice melt and hard water films, and never leave the floor with a soap haze.

DIRECTIONS

Dilute according to conditions of floor as listed below. Dip mop into solution and wring out thoroughly. Mop floor in usual fashion, re-soaking mop and wringing regularly. If solution in bucket becomes dirty, discard and make up fresh solution. Rinsing is not required after use.

FOR GENERAL FLOOR CLEANING: Dilute 1-2 ounces of concentrate per gallon of cold water.

FOR HEAVY DUTY FLOOR CLEANING: Dilute 2-4 ounces of concentrate per gallon of cold water.

FOR AUTOMATIC SCRUBBERS: Dilute 1-2 ounces of concentrate per gallon of cold water.

AS MOPPING SOLUTION ADDITIVE: Add 2 to 3 ounces of concentrate per gallon of rinse water. Rinse floor in the usual manner. Waxed or finished floors will be noticeably cleaner and produce more gloss. Will effectively remove ice melt residue.

AFTER STRIPPING CONDITIONER: Dilute 16 ounces of concentrate per gallon of water and mop on floor. Pick-up with a wet/dry vac or mop. Allow floor to dry and commence to apply finish.

All Purpose Cleaners

PRODUCT SPECIFICATIONS

Color:	Green	Phosphate Content:	None
Odor:	Fresh & Clean	Solubility:	Complete with water
Base:	Sequestering Agents	Rinsability:	None Required
pH:	6.0 - 7.0	Detergency:	Excellent
Viscosity:	Water thin	Flash Point:	None (water-based)
Foam:	Low	Storage/Stability:	2 years
Abrasives:	None	Weight Per Gallon:	8.42 lbs. per gallon
Biodegradability:	Complete	Freeze Thaw Stability:	Keep from freezing

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Emerald	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Optically Enhanced Floor Cleaner	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Detergent Blend	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Nonionic Surfactant	9016-45-9	0 to 5			
Tetrasodium EDTA	64-02-8	0 to 5			
Citric Acid	77-92-9	0 to 5			
Optical Brightener CBX	N/A	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.	Specific Gravity: 1.014
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 90+	pH: 6.0-7.0
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Thin liquid with pleasant odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Lower Explosion Limit: 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	Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur.	Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floor. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. 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: N/A
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: N/A
Ingestion: Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

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 recommended.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: N/A

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:	Shipping Information:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health 1
No - Sudden Release of Pressure Hazard		Flammability 0
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity 0
Yes - Immediate (acute) Health Hazard		Personal Protection B
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound	

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