



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

Maintenance Solutions

# OptiFlex

**Optically Enhanced  
High Solids  
Floor Finish**



Linoleum  
Rubber Tile  
Terrazzo

**For Use On:**

Vinyl Tile  
Vinyl Asbestos  
Asphalt Tile

Quarry Tile

**DESCRIPTION**

OptiFlex is a high solids floor finish with patented optically enhanced polymer technology that provides unsurpassed "wet look" gloss, crystal clarity and outstanding durability. Optical brightener technology built into the polymer molecules provide a vivid brightness to resilient tile floors. It is ideal for medium maintenance programs and has excellent spray buff and burnishing response with all types of machines. Four coat application and extended wear properties reduces labor and maintenance and prolongs time between stripping.

**DIRECTIONS**

**PREPARATION:** If stripping is necessary, use **Onyx** or **Hot Shot** and follow directions accordingly. If floor is in good condition and stripping is not necessary, sweep up excess dirt and dust and then clean with a good quality cleaner to remove dirt and oils. Follow with a thorough rinsing and allow drying completely.

**FINISHING:** Apply 4 liberal coats of finish using a clean mop. Allow a minimum of 45 minutes drying time between coats. Apply additional coats to obtain desired gloss.

**BURNISHING:** Dust mop or sweep thoroughly. Clean floor with **Emerald** or **Rinse Free** diluted according to directions. Burnish using the appropriate pads.

**RESTORATION:** Dust mop or sweep thoroughly. Dilute **TOPAZ** or **Flashback UHS** according to direction and apply to floor with clean mop or auto-scrubber. Allow to dry to a haze and buff out with any type of UHS equipment - propane, battery, or cord electric.

**RECOATING:** Dust mop or sweep thoroughly. Deep scrub using **Super Blue** diluted according to directions. Apply 2 liberal coats of finish using a clean mop.

**PRODUCT SPECIFICATIONS**

<b>Non-volatile Solids:</b>	25.0 ± 0.5%	<b>Leveling:</b>	Excellent
<b>Color:</b>	Milky emulsion	<b>Buffability:</b>	Dry burnish/Spray Buff
<b>Odor:</b>	Mild	<b>Removability:</b>	With instant type strippers
<b>Coverage:</b>	2000 – 2500 square ft./gallon	<b>Detergent Resistance:</b>	Excellent
<b>pH:</b>	8.0 – 9.0	<b>Heel Mark Resistance:</b>	Excellent
<b>Dry/Recoat Time:</b>	45 minutes min.	<b>Storage/Stability:</b>	1 years
<b>Slip Resistance:</b>	0.5 min. by ASTM-D2047	<b>Weight Per Gallon:</b>	8.62 lbs./gal.
		<b>Freeze/Thaw Stability:</b>	Keep from freezing

**High Speed & UHS Finishes**

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Manufacturer's Name:**

Misco Products Corporation

**Manufacturer's Address:**

1048 Stinson Drive Reading, PA 19605

**Manufacturer's Phone #:** (610) 926-4106**Product Name:** Optiflex**Generic Name:** Optically Enhanced Floor Finish**Chemical Family:** Acrylic Wax Blend**Formula:** Proprietary**Supplier's Name:****Supplier's Address:****Supplier's Phone #:**

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Acrylic Copolymer Dispersion	63744-68-3	45 to 50			
Ethylene Acrylic Acid Copolymer	9010-77-9	0 to 5			
Oxidized polyethylene	68441-17-8	0 to 5			
Modified Styrene Acrylic Copolymer	N/A	0 to 5			
Tributoxyethyl Phosphate	78-51-3	0 to 5			
Diethylene Glycol Ethyl Ether	111-90-0	0 to 5			
Dipropylene Glycol Methyl Ether Preservative	34590-94-8	0 to 5			
	N/A	<0.1			

## SECTION 3-PHYSICAL DATA

**Boiling Point (°F):** 212 F.      **Specific Gravity:** 1.035  
**Vapor Pressure:** <20mm Hg @ 68 F.      **Vapor Density (Air=1):** =1  
**% Volatile:** 70+      **pH:** 8.0 – 9.0  
**Solubility in Water:** Complete      **Evaporation Rate (Water=1):** <1  
**Physical Description:** Thin milky liquid with characteristic odor.

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** None (waterbased)  
**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      **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. Avoid breathing of vapors. 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:** Prolonged exposure may cause dizziness, headache, nausea.  
**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 victim to fresh air and monitor. Seek medical attention if symptoms persist.  
**Ingestion:** Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

## SECTION 8-SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** Use in well-ventilated areas only.  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Rubber or chemical resistant.  
**Eye Protection:** Safety glasses or chemical splash goggles  
**Other Protective Equipment:** Chemical resistant footwear e.g. rubber boots to protect feet. Long pants to protect legs.

## 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 : Liquid Floor Wax  
FOR 1 GALLON CONTAINERS : Liquid Floor Wax  
FOR CONTAINERS < 1 GALLON : Liquid Floor Wax

**HMS Hazardous Materials Identification System**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>A</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