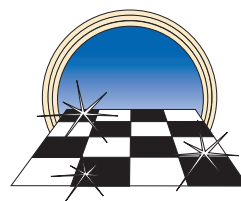


# eLUMINATE

## Ultra Compatible Zinc Free Finish



Scan for product's  
Material Safety Data Sheet

### FEATURES

- Cutting edge zinc free polymer
- Exceptional quat & soil resistance
- Low ammonia
- UL Environment Certified

### BENEFITS

- Prolongs floor finish life cycle
- Long term film clarity
- No odor
- Dramatically improves recoatability
- Meets LEED certification and other green regulated mandates

### AREAS OF USE:

- Supermarkets
- Retail stores
- Healthcare facilities
- Hallways
- Office buildings
- Vinyl tiles
- Linoleum
- Terrazzo
- Slate
- Concrete

### DIRECTIONS

**PREPARATION:** If stripping is necessary, use a high quality stripper and follow the directions accordingly. Follow with a thorough rinsing and allow floor to dry completely. If stripping is not necessary; sweep up loose dirt and dust. Clean with a quality cleaner to remove dirt and oils. Follow with a thorough rinsing and allow floor to dry completely.

**FINISHING:** Spread a liberal coat of finish evenly across the floor with a clean mop or applicator. Allow each coat to dry at least 30 minutes before applying the next coat. Four to five coats is ideal initially, depending on the condition of the floor and desired gloss.

**MAINTENANCE:** The floor may be maintained using a quality floor cleaner and damp mopping regularly. Spray buffing or mop-on restoring may also be done after sweeping up loose dirt and dust. Follow directions for each product accordingly. This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by state and federal regulations

### CAUTION

**MAY CAUSE EYE OR SKIN IRRITATION WITH DIRECT CONTACT.** Avoid contact with skin, eyes and clothing. Wear protective footwear when applying to floor. Avoid breathing of vapors. Use in well ventilated areas at all times. Floors are slippery when wet; keep all unauthorized persons away. Do not take internally. Wear rubber gloves when handling. Wash thoroughly with soap and water after handling. Keep out of reach of children.

### FIRST AID

**EYE CONTACT:** Immediately flush with water for 15 minutes. If irritation persists, seek medical attention.

**SKIN CONTACT:** Flush with water followed by washing with mild soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation develops.

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

**INGESTION:** Call physician immediately.

### SPECIFICATIONS:

**Color:**  
Milky emulsion

**Odor:**  
Mild

**pH:**  
8.0 – 9.0

**Non-Volatile Solids:**  
22%

**Coverage:**  
1800 – 2200 ft<sup>2</sup> / gal.

**Dry/Recoat Time:**  
30 minutes min.

**Slip Resistance:**  
0.5 min. by ASTM D2047

**Durability:**  
Excellent

**Buffability:**  
High speed burnishing or spray buff

**Detergent Resistance:**  
Excellent

**Storage/Stability:**  
1 year

**Weight Per Gallon:**  
8.5 lbs./gal.

**Freeze/Thaw Stability:**  
Keep from freezing



1048 Stinson Drive, Reading PA 19605  
Phone: 1-800-548-4568

[www.miscoproducts.com](http://www.miscoproducts.com)

HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		A

# SAFETY DATA SHEET

Date Issued : 9/10/2014

SDS No : LUM

## eLuminate

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** eLuminate  
**GENERAL USE:** Floor finish  
**PRODUCT DESCRIPTION:** Ultra Compatible Zinc Free Finish  
**PRODUCT CODE:** LUM  
**CHEMICAL FAMILY:** Acrylic/wax blend

#### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

### 2. HAZARDS IDENTIFICATION

#### GHS LABEL

#### HAZARD STATEMENTS

May be mildly irritating to eyes and skin.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P262: Do not get in eyes, on skin, or on clothing.

P102: Keep out of reach of children.

P264: Wash thoroughly after handling.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

##### Storage:

P404: Store in a closed container.

##### Disposal:

P501: Dispose of contents/container in accordance with local, state and federal regulations.

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White opaque liquid

**IMMEDIATE CONCERNS:** Mild eye irritant.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.

**SKIN:** May be mildly irritating with prolonged or repeated contact.

**SKIN ABSORPTION:** None known.

**INGESTION:** Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**INHALATION:** None Expected.

#### REPRODUCTIVE TOXICITY

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** None known.

**MUTAGENICITY:** None known.

**ROUTES OF ENTRY:** Ingestion, eye

**SENSITIZATION:** None

**WARNING CAUTION LABELS:** None

**PHYSICAL HAZARDS:** None Expected.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Acrylate Copolymer	15 - 20	N/A
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	0 - 5	6846-50-0
Diethylene Glycol Ethyl Ether	5 - 10	111-90-0
Tributoxyethyl Phosphate	0 - 5	78-51-3
Oxidized Polyethylene	0 - 5	68441-17-8
2,5-furandione, polymer with propene	0 - 5	25722-45-6
Water	70 - 80	7732-18-5

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** No known significant effects or critical hazards.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Slight discomfort with redness, watering eyes.

**SKIN:** No known significant effects or critical hazards.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** No known significant effects or critical hazards.

**ACUTE TOXICITY:** None known.

**CHRONIC EFFECTS:** No known significant effects or critical hazards.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** NA = Not Applicable

**EXTINGUISHING MEDIA:** NA = Not Applicable

**FIRE FIGHTING PROCEDURES:** NA = Not Applicable

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Keep container closed to prevent drying out.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
		EXPOSURE LIMITS	
		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>
Diethylene Glycol Ethyl Ether	TWA	25	140

**ENGINEERING CONTROLS:** None

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** NA = Not Applicable

**PROTECTIVE CLOTHING:** NA = Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic.

**ODOR THRESHOLD:** Not Established

**COLOR:** White emulsion

**pH:** 8.0 to 9.0

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** > 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**MELTING POINT:** Not Available

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** dispersable

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 8.54 at (68°F)

**SPECIFIC GRAVITY:** 1.023 grams/ml.

**VISCOSITY:** Water thin.

**(VOC):** None

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** No known significant effects or critical hazards.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Strong oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)
Acrylate Copolymer	> 10000 mg/kg (rat)	
Diethylene Glycol Ethyl Ether	6031 mg/kg (mouse)	9143 mg/kg (rabbit)
Tributoxyethyl Phosphate	3000 mg/kg (rat)	16 ml/kg (rabbit)

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** No known significant effects or critical hazards.

**SKIN ABSORPTION:** No known significant effects or critical hazards.

**INHALATION LC<sub>50</sub>:** No known significant effects or critical hazards.

**EYE EFFECTS:** Mild to moderate eye irritant.

**SKIN EFFECTS:** May irritate skin with prolonged or repeated contact.

**CHRONIC:** No known significant effects or critical hazards.

### CARCINOGENICITY

**IARC:** No listed substance

**CORROSIVITY:** No known significant effects or critical hazards.

**SENSITIZATION:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No known significant effects or critical hazards.

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Liquid floor wax, not regulated.

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3209.10.00.00

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS	Comments
Diethylene Glycol Ethyl Ether	5 - 10	111-90-0	N230 Certain Glycol Ethers

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**CARCINOGEN:** No listed substance

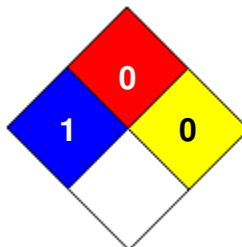
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>A</b>

**NFPA CODES**



**MANUFACTURER DISCLAIMER:** 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 the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.



# eLUMINATE

## Ultra Compatible Zinc Free Finish



### Availability:

Packaging	Item #
4-1 F Gal.:	LUM-14MN
2-2.5 Gal.:	LUM-25MN
Pail/ 5 Gal.:	LUM-05MN
Drum/ 55 Gal.:	LUM-55MN
Tote/ 275 Gal.:	LUM-BKMN

**Vinyl Tile**  
Azulejo del vinilo

**Linoleum**  
Linóleo

**Terrazzo**  
Terrazo

**Concrete**  
hormigón

**Slate**  
pizarra

### DESCRIPTION

A new generation floor finish formulated with patented zinc free polymer technology that is designed to work with any type of maintenance program. This finish provides high initial gloss and unmatched gloss retention. New chemistry demonstrates exceptional soil resistance and color retention that far exceeds the leading commercial zinc containing finishes and allows the finish to form good film even in poor drying conditions. This environmentally preferable finish meets today's need for a product that contains no zinc or other heavy metals that can be harmful to wastewater treatment systems.



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



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