



Maintenance Solutions

Crystal Cote 350

For Use On:

Sealed Wood
Sealed Cork

Sealed Concrete
Parquet Floors

VOC Compliant Polyurethane Wood Finish



DESCRIPTION

A high solids oil modified polyurethane finish designed for use on sports, commercial and residential wood floors. Produces outstanding durability and resistance to scuffs, spills and stains. Leaves surface with an extremely rich high gloss that dirt and grime can't possibly penetrate. High solids make this product able to meet the strict VOC (Volatile Organic Compounds) requirements, which have been established in many states throughout the country. Easy to apply, it is compatible over a wide variety of conventional solvent based coatings (provided these coatings are cured, bonded and the floor is properly prepared).

Manufacturer's Recommendation: This coating is to be applied without thinning. VOC Content <350 grams/liter

DIRECTIONS

ON NEW OR NEWLY PREPARED FLOORS: Use a good quality polyurethane sealer, following the directions for that product. Allow to dry thoroughly.

ON NEWLY SEALED FLOORS: Buff with a #120 abrasive screen. Clean surface thoroughly with a tack rag and waterless cleaner and allow to dry. Apply finish using a synthetic or lamb's wool applicator, pressure sprayer or gravity fed applicator. If more than one coat is desired, allow 6 to 8 hours dry time between coats. No screening is required if recoating is done within 24 hours. Allow 72 hours cure time before allowing any foot traffic on floors (no dances or similar events for at least one week).

NOTE: Best results are obtained with adequate ventilation and floor temperature above 60°F and below 95°F. Avoid direct drafts on floor while finishing.

CAUTION: Do not use on any resilient type flooring.

PRODUCT SPECIFICATIONS

Non-volatile solids:	55.0±0.5%	Removability:	With conventional urethane strippers
Gardner Color:	(Typical).....6 (Maximum).....12	Drying Properties:	Set to touch - 1-3 hrs. Recoat - 6-8 hrs. Dry hard - 48 hrs.
Odor:	Petroleum Distillates	Recoatability:	Excellent (follow directions)
Type:	Oil modified urethane	Storage/Stability:	2 years
Solvent Systems:	Mineral spirits/Siloxane	Freeze/Thaw Stability:	Stable
Flash Point:	106° F (TCC)	Weight per Gallon:	7.58 lbs./gal.
Viscosity:	A-C, Gardner	Coverage:	500-700 ft ² per gal.
Slip Resistance:	Greater than 0.50	VOC Content:	347 gms/liter
Sward Hardness:	Greater than 30		
Chemical Resistance:	Excellent		

Wood Floor Care

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:** Crystal Cote 350**Generic Name:** Polyurethane Wood Finish**Chemical Family:** Solvent Urethane 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
Mineral Spirits	64742-47-8	30 to 35	300 ppm	100 ppm	N/A
Regular Mineral Spirits	64741-41-9	10 to 15			
Oil Modified Urethane Resin	N/A	50 to 55			
Xylene	1330-20-7	1 to 5	100ppm	100ppm	150ppm
Ethylbenzene	100-41-4	0.1 to 1	100ppm	100ppm	125ppm

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 282 F. Initial
Vapor Pressure: 6 mm Hg @ 68 F.
% Volatile: 45+
Solubility in Water: Nil
Physical Description: Moderately viscous yellow liquid with characteristic solvent odor.
VOC Content (Subpart D §59.406) : < 350 grams/liter

Specific Gravity: 0.91**Vapor Density (Air=1):** 5.1**pH:** N/A**Evaporation Rate (Water=1):** 0.6

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 100°F. (TCC)
Upper Explosion Limit: 6.0% **Lower Explosion Limit:** 1.0%
Extinguishing Media: Foam, CO₂, dry chemical.
Special Firefighting Procedures: Do Not Use Water.
Unusual Fire and Explosion Hazards: Drums heated by fire can explode.

SECTION 5-REACTIVITY DATA

Stability: Stable**Hazardous Polymerization:** May occur through oxidation, leading to exothermic reaction. Heat generated by oxidation may lead to spontaneous combustion of materials such as rags, paper towels, etc., used for clean-up**Hazards Decomposition Products:** Carbon monoxide possible if burned. | **Incompatibility (Materials to Avoid):** Strong oxidizers.

SECTION 6-STORAGE AND HANDLING INFORMATION

Combustible liquid. Avoid contact with heat, spark or open flame. Eye irritant. May cause skin irritation. 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. Wear rubber gloves when handling. Wear protective boots when applying to floors. 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 irritation, defatting, or dermatitis.**Eyes:** Eye irritant. May cause redness, swelling, or blurred vision.**Inhalation:** May be irritating to the nose, throat, and lungs. Prolonged breathing can cause headache, nausea, dizziness, weakness, and fatigue. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.**Ingestion:** Can cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause pneumonitis.**Other:** May cause liver damage and/or kidney damage.**Contains ethylbenzene**, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.**First Aid Procedures:****Skin:** Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention.**Inhalation:** Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved hydrocarbon cartridge or self-contained apparatus when used in enclosed areas.**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit. Open doors and windows when handling and during drying period.**Protective Gloves:** Solvent proof rubber recommended.**Eye Protection:** Safety glasses recommended.**Other Protective Equipment:** Eye wash station should be available nearby. Protective clothing and footwear (rubber boots) when using on floors.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Shut off all ignition sources. Ventilate area well. 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. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of ignitability as defined under federal RCRA regulations (40 CFR 261). Materials used to absorb product should be soaked in water-filled containers or rinsed with water prior to discarding in trash receptacles. 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:

Yes - Fire Hazard

No - Sudden Release of Pressure Hazard

No - Reactivity Hazard

Yes - Immediate (acute) Health Hazard

Yes - Delayed (chronic) Health Hazard

Domestic Shipping Information:

FOR CONTAINERS > 1 Gallon : Floor Coating

FOR 1 GALLON CONTAINERS : Not Available in this size

FOR CONTAINERS < 1 GALLON : Not Available in this size

HMS Hazardous Materials**Identification System**

Health	2
Flammability	2
Reactivity	1
Personal Protection	D

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
1330-20-7	Xylene	1 - 5
100-41-4	Ethylbenzene	0.1 - 1.0

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
100-41-4	Ethylbenzene	0.1 - 1.0

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