

SAFETY DATA SHEET

Date Issued : 03/24/2015
SDS No : U35
Date Revised : 08/23/2018
Revision No : 1

Crystal Cote 350

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Crystal Cote 350
GENERAL USE: Seal and protect wood flooring.
PRODUCT DESCRIPTION: VOC Compliant Polyurethane Wood Finish
PRODUCT CODE: U35
CHEMICAL FAMILY: Polyurethane/Solvent 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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEM-TEL (Medical and Transportation): 800-255-3924
POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Carcinogenicity, Category 2
Skin Sensitization, Category 1
Reproductive Toxicity, Category 2

Physical:

Flammable Liquids, Category 3

GHS LABEL



Health hazard



Flame



Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer through dermal contact.
H361: Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENT(S)

General:

P501: Dispose of contents/container according to all local, state and Federal regulations.

Prevention:

P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, lighting equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing fume, gas, mist, vapors, or spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.

P264: Wash hands thoroughly after handling.

Response:

- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P363: Wash contaminated clothing before reuse.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P370+P378: In case of fire: Use dry chemical, foam or water mist to extinguish.

Storage:

- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Amber liquid

IMMEDIATE CONCERNS: Eye & Skin irritant

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Skin irritant with prolonged or repeated contact.

SKIN ABSORPTION: Harmful if absorbed through skin.

INGESTION: Harmful if swallowed.

INHALATION: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches)

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Suspected of damaging fertility or the unborn child.

TERATOGENIC EFFECTS: No listed substance

CARCINOGENICITY: Contains an ingredient listed under IARC Group 2B status.

MUTAGENICITY: No listed substance

ROUTES OF ENTRY: Eye, skin, ingestion, Inhalation.

TARGET ORGAN STATEMENT: Blood, kidney, liver, Central nervous system

CANCER STATEMENT: "WARNING: This product can expose you to chemicals including ethylbenzene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov."

SENSITIZATION: May cause skin sensitization with contact.

WARNING CAUTION LABELS: Irritant

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Octamethylcyclotetrasiloxane	10 - 20	556-67-2
Stoddard Solvent	5 - 10	8052-41-3
Xylene	2 - 5	1330-20-7
Ethylbenzene	≥ 0 - 1	100-41-4
2-ethylhexanoic acid, zirconium salt	≥ 0 - 1	22464-99-9
2-butanone oxime	≥ 0 - 1	96-29-7
Cobaltbis (2-ethylhexonate)	≥ 0 - 1	136-52-7

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

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

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tears, redness.

SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.

SKIN ABSORPTION: May cause an allergic skin reaction.

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

INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE EFFECTS: Not Established

CHRONIC EFFECTS: Not Established

ADDITIONAL INFORMATION: Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney, and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: II (100-140F)

GENERAL HAZARD: Combustible Liquid

EXTINGUISHING MEDIA: Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide from combustion

OTHER CONSIDERATIONS: Rags soaked with any solvent present a fire hazard and should always be stored in UL listed or Factory Mutual approved, covered Containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion. This product contains antioxidants to retard oxidation.

EXPLOSION HAZARDS: Fire exposed containers may burst due to increased pressure from heat.

FIRE FIGHTING PROCEDURES: Use an extinguishing agent suitable for surrounding fire.

FIRE FIGHTING EQUIPMENT: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Established

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Shut off any ignition sources. Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: Shut off all ignition sources. Ventilate area. 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

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

RELEASE NOTES: Eliminate all ignition sources. Ventilate area well.

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Close container after use.

HANDLING: Wear eye protection, rubber gloves when handling concentrate.

STORAGE: Store in closed container away from heat, spark or open flame.

STORAGE TEMPERATURE: Store at ambient temperatures.

STORAGE PRESSURE: Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Stoddard Solvent	OSHA PEL	TWA	500	2900
	ACGIH TLV	TWA	100	
Xylene	OSHA PEL	TWA	100	435
		STEL	150	655
	ACGIH TLV	TWA	100	
		STEL	150	
Ethylbenzene	OSHA PEL	TWA	100	435
		STEL	125	545
	ACGIH TLV	TWA	100	
		STEL	125	

ENGINEERING CONTROLS: Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and full face-shield.

SKIN: Rubber or other chemical resistant gloves.

RESPIRATORY: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Solvent, characteristic

ODOR THRESHOLD: Not Established

COLOR: Amber

pH: NA = Not Applicable

PERCENT VOLATILE: <40

FLASH POINT AND METHOD: 40.5°C (104.9°F) Tag Closed Cup (TCC)

FLAMMABLE LIMITS: Not Established

AUTOIGNITION TEMPERATURE: Not Established

VAPOR PRESSURE: Not Established

VAPOR DENSITY: > 1 Air = 1

BOILING POINT: Not Established

FREEZING POINT: Not Established

MELTING POINT: NA = Not Applicable

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: (Water =1) <1.0

DENSITY: 7.59 at 23°C (73°F)

SPECIFIC GRAVITY: ~ 0.91 grams/ml. at 23°C (73°F)

VISCOSITY: Slightly viscous.

(VOC): 36.8 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal storage and use conditions.

CONDITIONS TO AVOID: Heat, flames and sparks.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INCOMPATIBLE MATERIALS: No data available. Contact Env. Dept.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	INHALATION LC ₅₀ (rat)
Octamethylcyclotetrasiloxane	36 mg/l (rat)

DERMAL LD₅₀: Not Established

ORAL LD₅₀: Not Established

INHALATION LC₅₀: Not Established

SERIOUS EYE DAMAGE/IRRITATION: Irritant

RESPIRATORY OR SKIN SENSITISATION: May cause sensitization by skin contact.

GERM CELL MUTAGENICITY: Not Established

CARCINOGENICITY

Chemical Name	IARC Status
Ethylbenzene	Group 2B - Limited evidence of carcinogenicity in humans.

IARC:

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of ethylbenzene, but there is sufficient evidence of carcinogenicity in experimental animals (Group 2B - possibly carcinogenic to humans).

REPRODUCTIVE TOXICITY: Suspected of damaging fertility or the unborn child.

STOT-SINGLE EXPOSURE: May cause damage to blood, Kidney, liver with prolonged or repeated exposure to high concentrations of vapors.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established

ECOTOXICOLOGICAL INFORMATION: Not Established

AQUATIC TOXICITY (ACUTE): Not Established

96-HOUR LC₅₀: Not Established

96-HOUR EC₅₀: Not Established

Notes: No data available. Contact Env. Dept.

CHEMICAL FATE INFORMATION: Not Established

13. DISPOSAL CONSIDERATIONS

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 its containers should be treated as hazardous waste based on the characteristics of ignitability as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

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

PRODUCT DISPOSAL: Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

EMPTY CONTAINER: Offer container for recycling, or dispose of in trash.

RCRA/EPA WASTE INFORMATION: Hazardous Waste

RCRA HAZARD CLASS: Ignitability

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: AS per 49CFR 173.150 (f) Combustible Liquid Exception, Material is not regulated.

PLACARDS: No special requirements.

LABEL: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

OTHER SHIPPING INFORMATION: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

SPECIAL SHIPPING NOTES: None known.

AIR (ICAO/IATA)

SHIPPING NAME: Contact manufacturer for more information.

VESSEL (IMO/IMDG)

SHIPPING NAME: Contact manufacturer for more information.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Health Hazard - Acute; Health Hazard -Chronic; Fire Hazard

313 REPORTABLE INGREDIENTS: Xylene

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Xylene	2 - 5	1330-20-7

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No listed substance

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No listed substance

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: No listed substance

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Stoddard Solvent	Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Xylene	Pennsylvania Right to Know Substance New Jersey Right To Know Substance Massachusetts Right to Know Substance
Ethylbenzene	Pennsylvania Right to Know Substance New Jersey Right To Know Substance Massachusetts Right to Know Substance

CALIFORNIA PROPOSITION 65: "WARNING: This product can expose you to chemicals including ethylbenzene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov."

Chemical Name	Wt.%	Listed
Ethylbenzene	≥ 0 - 1	Cancer

CARCINOGEN: Contains an ingredient listed under IARC Group 2B.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department **Date Revised:** 08/23/2018

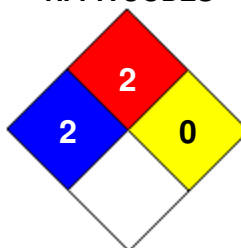
REVISION SUMMARY: This SDS replaces the 03/24/2015 SDS. Revised: **Section 15: CALIFORNIA PROPOSITION**

65. **Section 16: ADDITIONAL SDS INFORMATION.**

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

NFPA CODES



ADDITIONAL SDS INFORMATION: Rev 0.1.0

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.