

# SAFETY DATA SHEET

Date issued : 03/24/2015

SDS number : U35

Date revised : 05/23/2023

Revision number : 2

## Crystal Cote 350

### 1. Identification

**Product code:** U35

**Product identifier:** Crystal Cote 350

**Product description:** VOC Compliant Polyurethane Wood Finish

**Chemical family:** Polyurethane/Solvent blend

**Relevant identified uses:** Seal and protect wood flooring.

#### Emergency telephone number (24 hour)

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. Hazard identification

#### Classification of the substance or mixture

##### Health hazards:

Skin Irritation, Category 2

Reproductive Toxicity (Fertility), Category 2

Specific Target Organ Toxicity (Single exposure - Inhalation), Category 3 (Narcotic Effects)

##### Physical hazards:

Flammable Liquids, Category 3

#### Label elements



Flame



Health hazard



Exclamation mark

**Signal word:** WARNING

#### Hazard statement(s)

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility.

#### Precautionary statement(s)

##### Prevention:

P201: Obtain special instructions before use.

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 mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/eye protection/face protection.

P281: Use personal protective equipment as required.

##### Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313: IF exposed or concerned: Get medical advice/ attention.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P370+P378: In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.

**Storage:**

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

**Disposal:**

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

**Emergency overview**

**Physical appearance:** Amber liquid

**Immediate concerns:** Skin Irritant. May cause drowsiness or dizziness

**Potential health effects**

**Eye:** None known.

**Skin:** Contact causes moderate skin irritation.

**Skin absorption:** None known.

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

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

**Reproductive toxicity**

**Reproductive toxicity:** Suspected of damaging fertility.

**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:** 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](http://www.P65Warnings.ca.gov)."

**Warning caution labels:** Irritant

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.
Distillates (petroleum), hydrotreated light	25 - 50	64742-47-8
Cyclotetrasiloxane	10 - 25	556-67-2
Solvent naphtha (petroleum), light arom.	1 - 3	64742-95-6

**4. First-aid measures**

**Eye:** 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:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention.

**Most important symptoms and effects, both acute and delayed**

**Eye:** May cause temporary eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** Contact causes skin irritation.

**Skin absorption:** None Expected.

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

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

**Acute effects:** Skin Irritant. May cause drowsiness or dizziness.

**Chronic effects:** Suspected of damaging fertility.

**5. Fire-fighting measures**

**Flammable class:** II (100-140F)

**General hazard:** Flammable liquid and vapors

**Suitable 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:** Keep fire exposed containers cool with water stream or mist.

**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 and notify your local emergency services if this occurs.

**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.

**Precautions for safe handling:** Wear eye protection, rubber gloves when handling concentrate.

**Conditions for safe 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 controls

Control parameters	Occupational exposure limit values			
	Type		ppm	mg/m <sup>3</sup>
Chemical name	OSHA PEL	TWA	500	2000
	Supplier OEL	TWA		350
Solvent naphtha (petroleum), light arom.				

**Appropriate engineering controls:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### Individual protection measures, such as personal protective equipment

**Eye / face protection:** Chemical splash goggles and full face-shield.

**Skin protection - hand protection:** Rubber or other chemical resistant gloves.

**Respiratory protection:** 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.

**Skin protection - other:** Suitable protective clothing required by employer code.

**Occupational hygiene 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

**Color:** Amber

**Odor:** Solvent, characteristic

**Odor threshold:** Not Established

**pH:** NA = Not Applicable

**Melting point:** No data available

**Freezing point:** No data available

**Initial boiling point and boiling range:** 161°C (321.8°F) to 198°C (388.4°F)

**Flash point:** 46°C (114.8°F) Setflash

**Evaporation rate (n-butyl acetate = 1):** No data available

**Lower explosion limit / flammability limit:** .75

**Upper explosion limit / flammability limit:** 7.4

**Vapor pressure:** No data available

**Relative vapor density:** No data available

**Density:** 7.59 at 23°C (73°F)

**Relative density:** ~ 0.91 grams/ml. at 23°C (73°F)  
**Solubility:** Insoluble  
**Auto-ignition temperature:** 260°C (500°F) to 400°C (752°F)  
**Decomposition temperature:** No data available  
**Percent volatiles:** <50  
**VOC content:** 36.8 % by weight

## 10. Stability and reactivity

**Reactivity:** Stable  
**Dangerous polymerization:** Will not occur.  
**Chemical stability:** Stable under normal storage and use conditions.  
**Conditions to avoid:** Heat, flames and sparks.  
**Possibility of hazardous reactions:** No dangerous reactions known under conditions of normal use.  
**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**Incompatible materials:** Strong oxidizers

## 11. Toxicological information

### Acute toxicity

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Distillates (petroleum), hydrotreated light	> 2000 mg/kg (rat)	> 5000 mg/kg (rabbit)	4.1 mg/l (rat)
Cyclotetrasiloxane			36 mg/l (rat)
Solvent naphtha (petroleum), light arom.	> 14000 mg/kg (rat)	> 2000 mg/kg (rabbit)	6000 to 10000 mg/l (rat)

**Acute dermal toxicity LD<sub>50</sub>:** Not Established

**Acute oral toxicity LD<sub>50</sub>:** Not Established

**Acute inhalation toxicity LC<sub>50</sub>:** Not Established

**Skin corrosion / irritation:** Irritant

**Respiratory or skin sensitization:** Not Established

**Germ cell mutagenicity:** Not Established

**Carcinogenicity**

**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.

**Specific Target Organ Toxicity - single exposure:** May cause drowsiness or dizziness.

## 12. Ecological information

**Ecotoxicological information:** Not Established

**Aquatic toxicity, both acute and chronic:** Not Established

**96-hour LC<sub>50</sub>:** Not Established

**96-hour EC<sub>50</sub>:** Not Established

**Notes:** No data available. Contact Env. Dept.

**Persistence and degradability:** Not Established

**Other adverse effects:** Not Established

## 13. Disposal considerations

**Disposal methods:** 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

**USA Department of Transport Regulations (DOT)**

**UN proper shipping name:** AS per 49CFR 173.150 (f) Combustible Liquid Exception, Material is not regulated.

**Technical name:** Based on available data, the classification criteria are not met.

**Placards:** No special requirements.

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

**DOT 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.

**ICAO - air**

**UN proper shipping name:** Contact manufacturer for more information.

**IMDG - sea**

**UN proper shipping name:** Contact manufacturer for more information.

## 15. Regulatory information

### UNITED STATES

#### SARA Section 311/312 Hazard Categories

**311/312 Health hazards:** Health - Acute, Health - Chronic

**311/312 Physical hazards:** Flammable Liquids

#### EPCRA Section 302 Extremely Hazardous Substances

**EPCRA Status:** No listed substance

#### CERCLA Hazardous Substances and Reportable Quantities (RQ)

**CERCLA regulatory:** No listed substance

#### TSCA (The Toxic Substances Control Act)

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

#### CAA 112(b) Hazardous Air Pollutants

**CAA 112(r) List of Substances for Accidental Release Prevention:** No listed substance

#### States with special requirements

Chemical name	Requirements
Solvent naphtha (petroleum), light arom.	Pennsylvania 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](http://www.P65Warnings.ca.gov)."

**Carcinogen:** Contains an ingredient listed under IARC Group 2B.

## 16. Other information

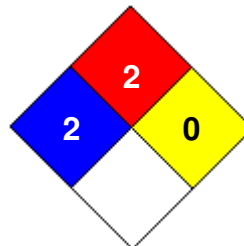
**Prepared by:** Regulatory Affairs Department **Date revised:** 05/23/2023

**Revision summary:** This SDS replaces the 08/23/2018 SDS. Revised: **Section 2:** Classification of the substance or mixture, Emergency overview - Immediate concerns Potential health effects ( Skin protection - hand protection, Skin absorption, Ingestion ), Reproductive toxicity, Sensitization, Target organ statement, Label elements, Precautionary statement(s). **Section 3:** % w/w. **Section 4:** Acute toxicity, Additional information, Chronic effects, Eye, Inhalation, Most important symptoms and effects, both acute and delayed ( Skin protection - hand protection, Skin absorption ), Skin protection - hand protection. **Section 5:** Fire fighting procedures, General hazard. **Section 8:** Individual protection measures, such as personal protective equipment - Skin protection - other. **Section 9:** Auto-ignition temperature, Initial boiling point and boiling range, Evaporation rate (n-butyl acetate = 1), Flammable limits, Flash point, Freezing point, Melting point, Percent volatiles, Relative vapor density, Vapor pressure, Viscosity, Decomposition temperature. **Section 10:** Incompatible materials, Possibility of hazardous reactions. **Section 11:** , , Specific Target Organ Toxicity - single exposure, , Skin corrosion / irritation. **Section 14:** IMDG - sea - Technical name. **Section 15:** 311/312 health categories, 313 reportable ingredients. **Section 16:** Additional SDS information, HMIS rating - Personal protection.

### HMIS rating

Health	*	2
Flammability		2
Physical hazard		0
Personal protection		H

### 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.