


SECTION 1: IDENTIFICATION

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| Product Name | CrystalVar 680 Water-Clear CV Sanding Sealer |
| Product Code # | 310761.00 |
| Manufacturer | Gemini Industries, Inc. |
| Address | 421 SE 27th Street El Reno, OK 73036 |
| Phone | Local: (800) 262-5710 Toll Free: (800) 444-7833 |
| Emergency Contact | CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924 |
| Recommended Use/Restrictions | For Wood Substrates Only. |

SECTION 2: HAZARD(S) IDENTIFICATION

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| Classifications | Acute Toxicity - Oral: Category 3 Acute Toxicity - Inhalation: Category 4 Skin Corrosion: Category 3 Eye Damage/Irritant: Category 1 STOT Single Exposure: Category 3 Flammable Liquid: Category 2 |
| Pictograms |  |
| Signal Word | Danger |
| Hazard Statements | H301 Toxic if swallowed. H332 Harmful if inhaled. H316 Causes mild skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H225 Highly flammable liquid and vapor. |
| Precautionary Statements | P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/other equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash any exposed body parts thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |



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P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 | Immediately call a POISON CENTER or doctor/physician.
P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).
P330 | Rinse mouth.
P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention.
P370 + P378 | In case of fire: Use appropriate media for extinction if water increases risk.
P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 | Store in a well-ventilated place. Keep cool.
P405 | Store locked up.
P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

Percent of the mixture consisting of ingredient(s) of unknown toxicity

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Reportable Components | % of Comp. | CAS No. |
|-----------------------|------------|----------|
| N-BUTYL ACETATE | 30 - 40% | 123-86-4 |
| ETHYL ALCOHOL | 10 - 20% | 64-17-5 |
| ACETONE | 10 - 20% | 67-64-1 |
| ISOBUTYL ALCOHOL | 1 - 5% | 78-83-1 |

SECTION 4: FIRST AID MEASURES

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| General Advice | Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room. |
| Eyes | Immediately flush eye with plenty of water for 15 minutes, while lifting upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Check eye for chemical burns. Get medical attention. May cause eye burns. Get medical attention. |
| Skin | Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists. |
| Inhalation | Remove to exposure to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration. Keep person warm and quiet. Get medical attention. |
| Ingestion | Contains Methanol: If person is conscious, induce vomiting. Once vomiting has occurred have person drink milk or water. Call Poison Control Center (1-800-222-12 |

SECTION 5: FIRE FIGHTING MEASURES



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| Fire Hazard | Yes |
| Extinguishing Media | Foam, CO2, Dry Chemical, Water Mist |
| Special Protective Equipment and Firefighting Procedures | Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways. |
| Unusual Fire & Explosion | Explosive vapor mixtures may form which is dangerous when exposed to heat and flame. Vapors are heavier than air and may travel along the ground, or be moved by ventilation, and ignited by pilot lights, stoves, heaters, electric motors, sparks, flame, smoking, static discharge or other ignition sources even at location distant from material handling site. Free falling stream of liquid may cause static electricity build-up and create fire hazard. |
| Hazardous Combustion Products | See Section 10 |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Avoid any uncontrolled release of material. Wear chemical splash goggles, impervious gloves, appropriate respirators, and protective clothing until all hazards are known. |
| Spills / Leaks | If spill/leak occurs, eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Clean using non-sparking tools (aluminum, brass, copper) and place mixture into containers for disposal. Note: Some spills/releases may require special reporting to local, state or federal agencies. |

SECTION 7: HANDLING AND STORAGE

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| Handling | Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces. |
| Storage | <p>Keep liquid and vapor away from heat, sparks, and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor buildup. Avoid contact with hot metal surfaces. Avoid free fall of liquids. Ground and bond fixed equipment, pails, drums and other transfer containers. Do not reuse, weld, drill, or heat empty containers which may contain explosive vapors.</p> <p>Keep container closed when not in use and during transit. Store container in an upright position in a cool, dry environment and protect from damage. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).</p> |

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



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Exposure Limits

| Chemical Description | OSHA PEL | ACGIH TLV | Other |
|----------------------|----------|-----------|--------------|
| n-Butyl acetate | 150 ppm | 150 ppm | 200 ppm STEL |
| Ethyl alcohol | 1000 ppm | 1000 ppm | 1880 mg/m3 |
| Acetone | 1000 ppm | 250 ppm | 500 ppm STEL |
| Isobutyl alcohol | 100 ppm | 50 ppm | 152 mg/m3 |

THIS PRODUCT CONTAINS A RESIN WITH THE POTENTIAL TO EMIT FORMALDEHYDE DURING USE. EXPOSURE LEVELS WILL VARY WITH SHOP CONDITIONS AND CONTROLS. BEFORE INITIAL USE, CONSULT OSHA'S FORMALDEHYDE STANDARD (29 CFR 1910.1048).

Engineering Controls

USE ONLY WITH ADEQUATE VENTILATION. Provide mechanical ventilation, local exhaust or other appropriate means of ventilation to prevent build-up of vapor or dust. Keep worker exposure to airborne contaminants below suggested or allowable limits. Keep area vapor and/or dust concentrations below lower explosive limits. Eye wash and safety showers are recommended in the workplace.

Personal Protective Equipment

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| Hand | Wear impermeable, chemical resistant gloves to prevent skin contact. Consult safety equipment supplier for specific recommendations of construction material. Wash hands with soap and water after using and before eating or using tobacco products. |
| Eyes | Wear chemical goggles designed to protect eyes against vapor, liquid splash and mists unless full-face respirator is worn. Ensure eye wash and safety showers are near workstations. NOTE: Contact lenses may contribute to the severity of an eye injury and should be removed immediately if exposure occurs. |
| Skin | Wear protective clothing, including headcap, to avoid skin contact with liquid or overspray. Thoroughly clean contaminated clothing and shoes before reuse. |
| Respiratory | USE ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye watering, headache, dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved for the hazardous ingredients listed in Section 3) during and after application. If appropriate, use respirator pre-filter or dust/particle mask to avoid breathing sanding dust Follow respirator manufacturer's instructions for use. Periodically monitor exposure levels to hazardous ingredients listed in Section 3 and review permissible exposure limits above. |

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| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |
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|---------------------------|-----------------|---|--------------------------|
| Appearance | Clear liquid | Upper Flammability/Explosive Limit | 19.00 |
| Odor | Strong solvent | Lower Flammability/Explosive Limit | 1.40 |
| pH value | No Data | Vapor Pressure | 9.00 |
| Freezing Point (F) | No Data | Vapor Density | 1.59 |
| Boiling Point (F) | No Data | Vapor Temperature | 68.00 |
| Boiling Range | 133.00 - 260.00 | Relative Density/Specific Gravity | 7.75753 |
| Flash Point (F) | -4.00 | Solubility | Moderately Water Soluble |



| | | | |
|--------------------------------|---------------------------|----------------------------------|---------|
| Flash Point Method Used | P Marten | Partition Coefficient | No Data |
| Evaporation Rate | Faster than butyl acetate | Auto-Ignition Temperature | No Data |
| Flammability | Yes | Decomposition Temperature | No Data |
| Viscosity | See Tech Data Sheet | | |

SECTION 10: STABILITY AND REACTIVITY

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| Chemical Reactivity | Will not occur. |
| Chemical Stability | Stable. |
| Conditions to Avoid | High temperatures, humidity, ignition sources and vapor build-up. |
| Materials to Avoid | Strong oxidizers, strong acids, strong bases |
| Hazardous Decomposition | Carbon Monoxide, Carbon Dioxide, Hydrocarbons, Aldehydes, Other Organic Compounds |

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity**

| Reportable Components | LD50 Oral | LC50 Inhalation | LD50 Dermal |
|-----------------------|--------------|-------------------------------|----------------|
| n-Butyl acetate | 10,760 mg/kg | > 21 mg/l (4H) | > 14,112 mg/kg |
| Ethyl alcohol | 7,060 mg/kg | 39 g/m ³ | 15,800 mg/kg |
| Acetone | 5,800 mg/kg | 50,100 mg/m ³ (8H) | 7,426 mg/kg |
| Isobutyl alcohol | 3,350 mg/kg | 24 mg/l (4H) | 2,460 mg/kg |

Inhalation**Description of Effects From Short- and Long-Term Exposure:**

Vapors and mists irritate nose, throat, and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation. Dust, sanding dusts and particles may cause nose and throat irritation. Harmful if inhaled.

Ingestion**Description of Effects From Short- and Long-Term Exposure:**

Causes nausea, vomiting, diarrhea and severe central nervous system depression (headache, dizziness, nausea, loss of coordination). Toxic if swallowed.

Eyes**Description of Effects From Short- and Long-Term Exposure:**

Contact with liquid or vapors causes severe irritation (redness, watering, itching, stinging, blurred vision) and possible cornea damage.

**Skin****Description of Effects From Short- and Long-Term Exposure:**

Contact causes mild to severe irritation (dryness, itching, cracking, rash and swelling) and possible burns with prolonged contact.

Carcinogen Information

Product does not contain carcinogen at or above reportable concentration.

Carcinogens Listing

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|-------------|----|
| NTP | No |
| IARC | No |
| OSHA | No |

SECTION 12: ECOLOGICAL INFORMATION**Aquatic Toxicity**

n-Butyl acetate

Toxicity to Fish LC50: 18 mg/l - 96 h

Toxicity to Algae EC50: 674.7 mg/l - 72 h

Ethyl alcohol

Toxicity to Fish LC50: 14,200 mg/l - 96 h

Toxicity to Algae EC50: 275 mg/l - 72 h

Acetone

Toxicity to Fish LC50: 5,540 mg/l - 96 h

Toxicity to Algae EC50: Not Available

Biodegradability Readily biodegradable

Bioaccumulation Not expected

SECTION 13: DISPOSAL CONSIDERATION

Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location. Empty containers may hold hazardous vapors. Do not weld or expose to heat.

SECTION 14: TRANSPORT INFORMATION**DOT Description**

UN1263, PAINT, 3, PGII

SECTION 15: REGULATORY INFORMATION



Safety Data Sheet

Date Issued

08/19/2020

CrystalVar 680 Water-Clear CV Sanding Sealer

TSCA Status

In compliance with TSCA inventory requirements for commercial purposes.

SARA 312 Regulated Chemical(s)

n-Butyl acetate
Ethyl alcohol
Acetone
Isobutyl alcohol

SARA 313 Regulated Chemical(s)

California Prop. 65



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

PA Right to know Chemical(s)

n-Butyl acetate
Ethyl alcohol
Acetone
Isobutyl alcohol

NJ Right to know Chemical(s)

n-Butyl acetate
Ethyl alcohol
Acetone
Isobutyl alcohol

MA Right to know Chemical(s)

n-Butyl acetate
Ethyl alcohol
Acetone
Isobutyl alcohol

Canada

Not Applicable.

Additional Regulatory Information

Not for use in SCAQMD. Quarts only in California, OTC states, LADCO states, and Northern Utah.



SECTION 16: OTHER INFORMATION

HMIS

CrystalVar 680 Water-Clear CV

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|---------------------|----|
| HEALTH | 2* |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

HMIS® Hazardous Material Information System

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