



# SAFETY DATA SHEET

## SECTION 1 - Chemical Product and Company Information

Product Name: CHROMACAT 680 OPAQUE PRCT CLR TINT BASE (INTERNAL USE ONLY) Product Code:

Manufactured by:  
**Gemini Coatings**  
 2300 Holloway Drive  
 El Reno, OK 73036  
 800-262-5710

**24- Hour Emergency (Spill, Leak, Exposure or Accident):**  
**INFOTRAC 800-535-5053**  
**Outside USA, Call Collect 1-352-323-3500**

**24- Hour Emergency HAZMAT Response and MSDS Help:**  
**EMI 800-510-8510**

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

## SECTION 2 - Hazards Identification

### GHS Ratings:

|                    |    |   |
|--------------------|----|---|
| Flammable liquid   | 1  | Flash point < 23°C and initial boiling point ≤ 35°C (95°F)  |
| Skin corrosive     | 3  | Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3   |
| Eye corrosive      | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days   |
| Skin sensitizer    | 1  | Skin sensitizer   |
| Mutagen            | 1B | Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity |
| Carcinogen         | 1A | Known Human Carcinogen Based on human evidence  |
| Reproductive toxin | 1A | Based on human evidence   |

### GHS Hazards

|      |  |
|------|--|
| H224 | Extremely flammable liquid and vapour    |
| H316 | Causes mild skin irritation              |
| H317 | May cause an allergic skin reaction      |
| H319 | Causes serious eye irritation            |
| H340 | May cause genetic defects                |
| H350 | May cause cancer                         |
| H360 | May damage fertility or the unborn child |

### GHS Precautions

|      |   |
|------|---|
| P201 | Obtain special instructions before use.                                   |
| P202 | Do not handle until all safety precautions have been read and understood  |
| 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/light/mixers/equipment         |
| P242 | Use only non-sparking tools   |
| P243 | Take precautionary measures against static discharge                      |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray                          |
| P264 | Wash any exposed skin thoroughly after handling                           |
| 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  |
| P321           | Specific treatment (see First Aid section on this label)   |
| P363           | Wash contaminated clothing before reuse  |
| P302+P352      | IF ON SKIN: Wash with soap and water   |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower                                    |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing            |
| P308+P313      | IF exposed or concerned: Get medical advice/attention  |
| P332+P313      | If skin irritation occurs: Get medical advice/attention  |
| P333+P313      | If skin irritation or a rash occurs: Get medical advice/attention  |
| P337+P313      | Get medical advice/attention   |
| P370+P378      | In case of fire: Use the NFPA Class B extinguisher for extinction  |
| P405           | Store locked up  |
| P403+P235      | Store in a well ventilated place. Keep cool  |
| P501           | Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. |

**Signal Word: Danger**



### SECTION 3 - Composition/Information on Ingredients

| Chemical Name / CAS No.  | OSHA Exposure Limits         | ACGIH Exposure Limits  | Other Exposure Limits   |
|--|------------------------------|--|---|
| n-Butyl acetate<br>123-86-4<br>46%                             | 150 ppm TWA; 710 mg/m3 TWA   | 150 ppm STEL (listed under Butyl acetates, all isomers)<br>50 ppm TWA (listed under Butyl acetates, all isomers) | NIOSH: 150 ppm TWA; 710 mg/m3 TWA<br>200 ppm STEL; 950 mg/m3 STEL |
| Ethyl alcohol<br>64-17-5<br>12%                                | 1000 ppm TWA; 1900 mg/m3 TWA | 1000 ppm STEL  | NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA                               |
| Acetone<br>67-64-1<br>10%                                      | 1000 ppm TWA; 2400 mg/m3 TWA | 500 ppm STEL<br>250 ppm TWA  | NIOSH: 250 ppm TWA; 590 mg/m3 TWA                                 |
| Nitrocellulose<br>9004-70-0<br>8%                              |                              |  |   |
| Urea, polymer with formaldehyde, butylated<br>68002-19-7<br>4% |                              |  |   |

|                                    |                               |                             |  |
|------------------------------------|-------------------------------|-----------------------------|--|
| Isopropyl alcohol<br>67-63-0<br>3% | 400 ppm TWA; 980 mg/m3<br>TWA | 400 ppm STEL<br>200 ppm TWA | NIOSH: 400 ppm<br>TWA; 980 mg/m3 TWA<br>500 ppm STEL; 1225<br>mg/m3 STEL |
|------------------------------------|-------------------------------|-----------------------------|--|

#### SECTION 4 - First Aid Measures

**Inhalation:**

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

**Eye Contact:**

Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

**Skin:**

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

**Ingestion:**

Rinse mouth out immediately. Drink 1 or 2 glasses of water to dilute. DO NOT induce vomiting. Contact physician or poison control center immediately.

#### SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

Oxidation may produce carbon and nitrogen oxides.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Use the National Fire Protection Association Class B extinguisher.

#### SECTION 6 - Accidental Release Measures

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

#### SECTION 7- Handling and Storage

**Handling:**

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

**Storage:**

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas.

#### SECTION 8 - Exposure Controls/Personal Protection

| Chemical Name / CAS No.     | OSHA Exposure Limits          | ACGIH Exposure Limits  | Other Exposure Limits   |
|-----------------------------|-------------------------------|--|---|
| n-Butyl acetate<br>123-86-4 | 150 ppm TWA; 710 mg/m3<br>TWA | 150 ppm STEL (listed under<br>Butyl acetates, all isomers)<br>50 ppm TWA (listed under<br>Butyl acetates, all isomers) | NIOSH: 150 ppm TWA;<br>710 mg/m3 TWA<br>200 ppm STEL; 950<br>mg/m3 STEL |

|  |                              |                             |  |
|--|------------------------------|-----------------------------|--|
| Ethyl alcohol<br>64-17-5                                 | 1000 ppm TWA; 1900 mg/m3 TWA | 1000 ppm STEL               | NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA                                |
| Acetone<br>67-64-1                                       | 1000 ppm TWA; 2400 mg/m3 TWA | 500 ppm STEL<br>250 ppm TWA | NIOSH: 250 ppm TWA; 590 mg/m3 TWA                                  |
| Nitrocellulose<br>9004-70-0                              |                              |                             |  |
| Urea, polymer with formaldehyde, butylated<br>68002-19-7 |                              |                             |  |
| Isopropyl alcohol<br>67-63-0                             | 400 ppm TWA; 980 mg/m3 TWA   | 400 ppm STEL<br>200 ppm TWA | NIOSH: 400 ppm TWA; 980 mg/m3 TWA<br>500 ppm STEL; 1225 mg/m3 STEL |

Use local exhaust as required to control vapor concentrations.  
Avoid prolonged or repeated breathing of vapors.

**Respiratory Protection:**

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

**Skin Protection:**

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

**Eye Protection:**

Wear splash proof goggles and face shield if there is a likelihood of contact with eyes.

**Hygienic Practices**

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

**SECTION 9 - Physical and Chemical Properties**

|   |   |
|---|---|
| <p><b>Vapor Density</b> Heavier Than Air</p> <p><b>Boiling range:</b> 34 - 126°C</p> <p><b>Freezing point:</b> N/A</p> <p><b>Flammability:</b> N/A</p> <p><b>Autoignition temperature:</b> 170°C</p> <p><b>Relative Density:</b> N/A</p> <p><b>Odor threshold:</b> N/A</p> <p><b>SPECIFIC GRAVITY</b> 0.9314</p> <p><b>Partition coefficient (n- N/A octanol/water):</b></p> <p><b>Grams VOC less water:</b> N/A</p> <p><b>% WT. VOLATILE (VOC)</b> 62.5536</p> <p><b>Lbs VOC/Gallon Solids</b> 24.5588</p> <p><b>SOLIDS VOL%</b> 19.7554</p> <p><b>SPREAD @ 1 MIL</b> 316.8767</p> <p><b>Appearance</b> Colored Liquid</p> <p><b>Physical State</b> Liquid</p> <p><b>Coating VOC (g/l)</b> 663.3466</p> <p><b>Coating VOC (Lb/Gl)</b> 5.5357</p> | <p><b>Evaporation Rate</b> Faster than Butyl Acetate</p> <p><b>Melting point:</b> N/A</p> <p><b>Flash point:</b> 32°F, 0°C</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>Vapor Pressure</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Viscosity:</b> N/A</p> <p><b>% VOLUME VOLATILE (VOC)</b> 67.8878</p> <p><b>% Pig. by wt.</b> 0.7742</p> <p><b>VOLATILE WT%</b> 73.1701</p> <p><b>DENSITY (Lb/Gal)</b> 7.7561</p> <p><b>HAPS (lbs/gl)</b> 0.0210</p> <p><b>Odor</b> N/A</p> <p><b>Material VOC (g/l)</b> 581.3782</p> <p><b>Material VOC (Lb/Gl)</b> 4.8517</p> |
|---|---|

## SECTION 10 - Stability and Reactivity

**Stability:** Stable under normal conditions.

**Materials to Avoid:** Strong oxidizing agents, strong alkalines, strong mineral acids.

**Conditions to avoid:** high heat, sparks, flames, static discharge.

**Hazardous Decomposition:** Oxidation may produce carbon and nitrogen oxides.

Hazardous polymerization will not occur.

## SECTION 11 - Toxicological Information

### Mixture Toxicity

Inhalation Toxicity LC50: 217mg/L

### Component Toxicity

123-86-4 n-Butyl acetate  
Inhalation LC50: 390 ppm (Rat)

67-63-0 Isopropyl alcohol  
Oral LD50: 1,870 mg/kg (Rat) Dermal LD50: 4,059 mg/kg (Rabbit)

**Primary Routes of Entry:** Inhalation, Skin Contact, Eyes, Ingestion

### Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermatitis.

### Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

### Inhalation:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

### Eyes:

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u>                              |
|-------------------|--------------------|-----------------|---|
| 64-17-5           | Ethyl alcohol      | 12%             | Ethyl alcohol: IARC: Human carcinogen<br>OSHA: listed |

## SECTION 12 - Ecological Information

### Ecological Information:

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

### Component Ecotoxicity

n-Butyl acetate

LC50 96 h Lepomis macrochirus 100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 17 - 19 mg/L [flow-through] (EPA)  
EC50 72 h Desmodemus subspicatus 674.7 mg/L (IUCLID)

Ethyl alcohol

LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA); LC50 96 h Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA)  
LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID); EC50 48 h Daphnia magna 2 mg/L [Static] (EPA)

|                   |   |
|-------------------|---|
| Acetone           | LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L (EPA); LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus 8300 mg/L (EPA)<br>EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] (EPA); EC50 48 h Daphnia magna 12600 - 12700 mg/L (IUCLID)   |
| Isopropyl alcohol | LC50 96 h Pimephales promelas 9640 mg/L [flow-through] (IUCLID); LC50 96 h Pimephales promelas 11130 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus >1400000 µg/L (EPA)<br>EC50 48 h Daphnia magna 13299 mg/L (IUCLID)<br>EC50 96 h Desmodesmus subspicatus >1000 mg/L (IUCLID); EC50 72 h Desmodesmus subspicatus >1000 mg/L (IUCLID) |

**SECTION 13 - Disposal Considerations**

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

**SECTION 14 - Transportation Information**

Ship according to the Department of Transportation (DOT) 49 CFR regulations.

| <u>Agency</u>            | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|--------------------------|-----------------------------|------------------|----------------------|---------------------|
| DOT                      | PAINT                       | UN1263           | II                   | 3                   |
| <b>Freight Class: 55</b> |                             |                  |                      |                     |

**SECTION 15 - Regulatory Information**

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**  
 This product contains the following listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.  
 64-17-5 Ethyl alcohol

**The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the inventory):**  
 6422-86-2 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester  
 67-63-0 Isopropyl alcohol  
 68002-19-7 Urea, polymer with formaldehyde, butylated  
 9004-70-0 Nitrocellulose  
 67-64-1 Acetone  
 64-17-5 Ethyl alcohol  
 123-86-4 n-Butyl acetate

**US CAA Section 112 Hazardous Air Pollutants (HAPs) List**  
 - None

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical:**  
 67-63-0 Isopropyl alcohol

**Hazardous Material Information System (HMIS)**

|                     |   |   |
|---------------------|---|---|
| HEALTH              | 3 | <b>HMIS &amp; NFPA Hazard Rating Legend</b><br>* = Chronic Health Hazard<br><b>0 = INSIGNIFICANT</b><br><b>1 = SLIGHT</b><br><b>2 = MODERATE</b><br><b>3 = HIGH</b> |
| FLAMMABILITY        | 3 |   |
| PHYSICAL HAZARD     | 0 |   |
| PERSONAL PROTECTION | X |   |

**SECTION 16 - Disclaimer**

THIS DOCUMENT SUPERSEDES ANY PROVISION CONTAINED IN THE FORMS, LETTERS, AND PAPERS OF YOUR COMPANY. THIS PRODUCT IS DESIGNED AND INTENDED FOR PROFESSIONAL APPLICATION ONLY. ALL PRODUCTS SHOULD BE THOROUGHLY TESTED UNDER APPLICATION CONDITIONS PRIOR TO USE. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.