

## Material Safety Data Sheet

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### Section I - Chemical Product And Company Identification

#### Product Name: CTA Sealer

CAS Number: N/A

HBCC MSDS No. CC94000



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### Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	Exposure Limits (TWAs) in Air		
		ACGIH TLV	OSHA PEL	STEL
Methyl Methacrylate	23262-63-7	100 ppm	100 ppm	N/A
Crystalline Silica	14808-60-7	0.1 mg/m <sup>3</sup> (respirable dust)	0.1 mg/m <sup>3</sup> (respirable dust)	N/A
Titanium Dioxide	013463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	N/A
Hydrocarbon and Oxygenated Solvents	N/A	25 ppm	25 ppm	35 ppm

### Section III - Hazard Identification

#### Summary of Acute Health Hazards N/A

**Ingestion:** Liquid ingestion may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities in the lungs may result in chemical pneumonitis and pulmonary edema/hemorrhage. May also result in abdominal pain, dizziness, headache, shortness of breath, leg cramps, fatigue, nausea, coma and death.

**Inhalation:** High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Negligible hazard at ambient temperature (-18 to 38°C; 0 to 100°F)

**Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

**Eyes:** May cause irreversible eye damage on contact.

**Summary of Chronic Health Hazards:** N/A

**Signs and Symptoms of Exposure:** Prolonged or repeated skin contact with this product tends to remove oils possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria. May cause irreversible eye damage on contact.

**Effects of Overexposure:** High vapor concentration (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic, and may have other central nervous system effects including death.

#### Section IV - First Aid Measures

**Ingestion:** If ingested, DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. GET MEDICAL ATTENTION IMMEDIATELY.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. GET MEDICAL ATTENTION IMMEDIATELY.

**Skin:** Wash with soap and water. Remove contaminated clothing and shoes; do not reuse until cleaned. If persistent irritation occurs, GET MEDICAL ATTENTION IMMEDIATELY.

**Eyes:** If splashed into eyes, flush with water for 15 minutes while holding eyelids open or until irritation subsides. If irritation persists, GET MEDICAL ATTENTION IMMEDIATELY.

**Medical Conditions Generally Aggravated by Exposure:** Petroleum Solvents/Petroleum Hydrocarbons - Skin contact may aggravate an existing dermatitis.

**Note to Physicians:** N/A

#### Section V - Fire Fighting Measures

**Flash Point:** 78°F

**Autoignition Temperature:** N/A

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

**Unusual Fire and Explosion Hazards:** Vapors are heavier than air and may accumulate in low areas inadequately ventilated. Vapors may also travel along the ground to be ignited at locations distant from the handling site; flashback of flame to the handling site may occur. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. When exposed to extreme temperature, closed containers may explode.

**Extinguishing Media:** Use water fog, foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

**Special Firefighting Procedures:** Evacuate hazard area of unprotected personnel. Wear proper protective clothing including a NIOSH approved self-contained breathing apparatus. Cool fire-exposed containers with water. In the case of large fires, also cool

surrounding equipment and structures with water. If a leak or spill has not ignited, use water spray to disperse the vapors.

## Section VI - Accidental Release Measures

**[Spills may need to be reported to the National Response Center (800/424-8802) CERCLA Reportable Quantity (RQ) is 1000 pounds].** Shut off and eliminate all ignition sources. Keep people away. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent such as sand, earth or other suitable absorbent to spill area. Do not use combustible materials such as sawdust. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

## Section VII - Handling and Storage

Keep away from heat, sparks and open flames. Keep containers tightly closed. Store away from strong oxidizing agents in a cool, dry place with adequate explosion-proof ventilation. Ground equipment to prevent accumulation of static charge. If pouring or transferring materials, containers must be bonded and grounded.

**Other Precautions:** Do Not weld, heat or drill on or near container; even emptied containers can contain explosive vapors.

## Section VIII - Exposure Controls/Personal Protection

**Respiratory Protection:** Use either an atmosphere-supplying respirator or an air-purifying respirator in confined or enclosed spaces for organic vapors, if needed.

**Ventilation:** Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.

**Protective Clothing:** Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

**Eye Protection:** Use splash goggles or face shield when eye contact may occur.

**Other Protective Clothing or Equipment:** Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**Work/Hygienic Practices:** Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

### Section IX - Physical and Chemical Properties

**Physical State:** Liquid **pH:** N/A  
**Melting Point/Range:** N/A **Boiling Point/Range:** N/A  
**Appearance/Color/Odor:** Various colors, sweet aromatic odor  
**Solubility in Water (g/100g):** N/A **Vapor Pressure(mmHg):** N/A  
**Specific Gravity(Water=1):** 1.002 **Molecular Weight:** N/A  
**Vapor Density(Air=1):** N/A **% Volatiles:** 70%  
**Odor Threshold:** N/A **Freezing Point:** N/A  
**How to detect this compound :** N/A

### Section X - Stability and Reactivity

**Stability:** Stable **Hazardous Polymerization:** N/A  
**Conditions to Avoid:** Avoid heat, sparks, and open flames.  
**Materials to Avoid:** Strong oxidizing agents, concentrated nitric and sulfuric acids, and molten sulphur. Temperatures above ambient.  
**Hazardous Decomposition Products:** N/A

### Section XI - Toxicological Information

The Hazard Communication Standard, 29 CFR 1910.1200, has established Titanium Dioxide is a potential carcinogen to rats. The information is based on NIOSH's interpretation of a study done by Lee, Trochimowicz, Reinhardt [1985], "Pulmonary Response of Rats Exposed to Titanium Dioxide (TiO<sub>2</sub>) by Inhalation for Two Years." The authors of this study concluded that based on the excessive dust loading and overwhelmed clearance mechanism in the lungs of rats exposed chronically at 250 mg/m<sup>3</sup> (6 hrs/day, 5 days/week for 2 years), the biological relevance of lung tumors to man appears to be negligible.

### Section XII - Ecological Information

N/A

### Section XIII - Disposal Considerations

Use non-leaking containers, seal tightly and label properly. Dispose of in accordance with applicable local, county, state and federal regulations.

## Section XIV - Transport Information

**DOT Proper Shipping Name:** Paint  
**DOT Hazard Class/ I.D. No.:** 3, UN1263, II

## Section XV - Regulatory Information

**Reportable Quantity:**  
**NFPA Rating:** Health - 2; Fire - 3; Reactivity - 0  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Carcinogenicity Lists:** Yes **NTP:** No **IARC Monograph:** No **OSHA Regulated:** Yes

### **WARNING**

**This product contains chemicals known to the State of California to cause cancer**

## Section XVI - Other Information

**Synonyms/Common Names:** N/A  
**Chemical Family/Type:** Paint  
**Change(s) Since Last Revision:** All Sections (New MSDS Format)

**IMPORTANT!** Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.