MATERIAL SAFETY DATA SHEET

Per OSHA-recommended ANSI Z400.1-2004 standard format &
in accordance with European standard format

1. **Product and Company Identifcation:** **Date of preparation:** March, 2008

Product Name: California (Brand) Tile-Cote Polyamide Epoxy Component "A"
Impacted Immersion Coating No. 12XX-Series (Various Colors)
Do not use for WW-1200 Component "B" – it has a separate MSDS
Producer: California Products Corporation
150 Dascomb Rd., Andover, MA 01810 (U.S.A.)
All Inquiries to: Tel: (978) 623-9980 Fax: (978) 623-9960
Emergency Information: 24 Hour Contact: CHEM-TEL: (800) 255-3924

2. **Hazards Identification:**

EMERGENCY OVERVIEW: **Product Description**: This product is a liquid with a strong hydrocarbon odor. This product is considered to be a combustible liquid per the OSHA hazard communication standard and should be kept away from heat, flame and sources of ignition. If swallowed, this product may get sucked into the lungs (aspirated) and cause lung damage or even death. Prolonged or repeated skin contact can cause drying of the skin, which may produce sever irritation or dermatitis.

Combustible Liquid:
Flash point: 103°F (Seta Flash).
Flammable Limits: LEL: 1.1%, UEL: 5.9%
It has a solvent petroleum odor. When burned the product produces carbon monoxide and other asphyxiates during combustion. Harmful if inhaled and may cause delayed lung injury. Aspiration hazard if swallowed – can enter lungs and cause damage. Keep away from heat, sparks and flame. Avoid breathing vapor. Use ventilation to keep vapor below exposure limits. Avoid contact with eyes, skin and clothing. Material splashed into the eyes will irritate tissues. Gently flush material from eyes with clean water.

3. **Composition/Information on Ingredients:**

Pigmented organic solvent-borne coatings comprised of pigments, fillers, additives, and organic solvent-borne polyamide binder.

Hazardous ingredients:
Titanium dioxide (CAS #13463-67-7) < 25.0% ACGIH TWA 10 mg/m^3
+2-butoxyethanol (CAS #111-76-2) < 9% OSHA PEL 25 ppm
Aromatic naphtha (CAS #64742-95-6) < 19.0% OSHA PEL 100 ppm
* See notes in Section 16

4. **First Aid Measures:**

INHALATION: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician. SPLASH (EYES): Flush eyes immediately with large amounts of water for at least 15 minutes. Take to a physician if irritation persists. INGESTION: If swallowed, call a physician if irritation persists. Never give anything by mouth to an unconscious person. Treat symptomatically.

5. **Fire-fighting methods:**

Extinguish Media: Foam, dry chemical, or carbon dioxide
Special Fire Fighting Procedures: Use supplied-air breathing equipment for enclosed areas. Cool exposed containers with water spray. Minimize breathing vapor or fumes.
Unusual Fire and Explosion Hazards: Do not mix or store with strong oxidants such as liquid chlorine or concentrated oxygen. "Empty" product containers retain product residue. Do not pressurize, cut, heat, weld, or expose such containers to flame; they may explode and cause injury or death.

6. Accidental release measures:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flame, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Ventilate area. Contain and remove with inert, absorbent material and non-sparking tools. Avoid contact. WASTE DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Par 261), State and Local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS. Use licensed hazardous waste disposal concern.

7. Handling and Storage:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store or use near heat or open flame. Refer to OSHA 79CFR Part 1910.106 for specific storage requirements. Keep closure tight and container upright to prevent leakage. Drums of this material should be grounded and bonded when pouring. Do not weld or flame-cut an empty drum. OTHER PRECAUTIONS: Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapor or spray mists. Do not handle until the manufacturer's safety precautions have been read and understood. Avoid breathing sanding dusts.

8. Exposure Controls/Personal Protection:

RESPIRATORY PROTECTION: Use (MSHA/NIOSH-approved or equivalent) chemical/mechanical filters designed to remove a combination of particulates and organic vapor in open and restricted ventilation areas. Use approved airline-type respirators or hoods in confined areas.

VENTILATION: Sufficient ventilation, in pattern and volume, should be provided to keep the air contaminant concentration below applicable exposure limits. Heavy solvent vapors should be removed from the lower levels of work area, and all ignition sources (non-explosion proof equipment) should be eliminated if flammable/air mixtures will be encountered. All application areas should be ventilated in accordance with OSHA regulation 29CFR Part 1910.94.

PROTECTION GLOVES: Gloves should be worn if skin contact is likely. Use neoprene or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including side shields, face shields, or chemical splash goggles (ANSIZ-87.1, or approved equivalent).

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Use protective cream if skin contact is likely. Use full face shield, apron or other appropriate equipment.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using the wash room. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored.

9. Physical and Chemical Properties:

Forms: Viscous liquid, slight petroleum odor
Density: (White) 12.5 lbs./gal.
Boiling Point of major constituent (aromatic naphtha): 155-173°C
Vapor Pressure (mm Hg) Aromatic naphtha: 10mm @ 68°F
Vapor Density: (Air = 1), heavier than air
Solubility in water: Nil
Evaporation Rate (Butyl acetate=1): 0.20

10. Stability and Reactivity:

Stability: Hazardous polymerization will not occur. Stable. Hazardous reactions: Avoid high temperatures, amines, acids, hydroxyl or other active hydrogen compounds. Hazardous Decompositions Products: Incomplete combustions may produce fumes, smoke, carbon monoxide and other asphyxiates.

11. Toxicological Information:

Oral rat LD50: 470 mg/kg; Inhalation rat LC50: 450ppm/4H; Skin rabbit LD50: 220 mg/kg; investigated as a tumorigen, mutagen, reproductive effector

Reproductive Toxicity: Has shown teratogenic effects in laboratory animals.

12. Ecological Information:

Environmental Fate: When released into the soil, this material is not expected to evaporate significantly. When released into the soil, this material may leach into groundwater. When realeased into the soil, this material may biodegrade to a moderate extent. When released into water, this material is not expected to evaporate significantly. When released into water, this material may biodegrade to a moderate extent. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day.

Environmental Toxicity: The LC50-96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

13. Disposal considerations:

Disposal should be done in accordance with Federal (40CFR Part 261), State and Local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS. Use licensed hazardous waste disposal concern.

14. Transporation Information:

U.S. Department of Transportation (DOT) Hazard Class:
Not regulated (In containers less than 119 gallons via surface transportation) Per CFR 49 170.150(f).

15. Regulatory Information:

VOC CONTENT:
Information on the maximum volatile organic compound (VOC) content of individual products appears on product labels.

U.S. FEDERAL REGULATORY INFORMATION
SARA 302 Threshold Planning Quantity: Non Applicable
SARA 304 Reportable Quantity: Not Applicable
SARA TITLE III-Section 311/312 Hazard Classes:

- Immediate/Acute Health Effects: Yes
- Delayed/Chronic Health Effects: No
- Fire Hazard: Yes
- Sudden Release of Pressure Hazard: No
- Reactivity Hazard: No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

CANADIAN REGULATORY INFORMATION
The components of this product are listed on the Canadian (DSL) Domestic Substance List.

+ This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community-Right-To-Know Act of 1986 and of 40 CFR 372.

EUROPEAN (ECC) REGULATORY INFORMATION

The components of this product are listed on the European Inventory of Existing Commercial Substances.

16. Other Information:

Note: Per 29CFR 1910.1200 (g) (2) (1) (C) (2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
13463-67-7	Titanium dioxide
64742-95-6	Aromatic Naphtha
111-76-2	2-butoxyethanol
90-72-2	2,4,6-Tri (Dimethylaminomethyl) Phenol
Not Available +	Alkyd Resin Solids

(+) Contents Partially Unknown

HMIS HAZARD RATING			
Health 1	Flammability 2	Physical Hazard 0	Personal Protection H
HAZARD INDEX			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
H=Rubber gloves, safety goggles, rubber apron, organic vapor respirator			

NOTES: 1. Also contains less than 1% 2,4,6-Tri (Dimethylaminomethyl) Phenol, which is known to cause allergic sensitization dermatitis. 2. Also contains mixture of polyamide resins (fatty acid polyethylene polyamine polymeric amido amine). The polyamine constituent contains a mixture of di-ethylene triamine (CAS #111-40-0), triethylene tetramine (CAS #112-24-3) and tetraethylene pentamine (CAS #112-57-2) and isomers. The potential contribution to overall exposure is possible via skin absorption. 3. This product also contains titanium dioxide, which is considered "nuisance dust". Exposures to spray mists or sanding dusts should be controlled to below 2 mg/m^3 through usage of NIOSH-approved dust filter respirators. 4. This product contains these toxic chemicals* subject to the reporting requirements of section 313 of the Emergency Planning and Community Right -To-Know Act of 1986 and of 40 CFR 372. 5. See addendum #"1201-A-NJ" for NJ DOH Right-To-Know labeling law information (N.J.A.C. 8:59 – 5.1 & 5.2).

Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

MATERIAL SAFETY DATA SHEET

Per OSHA-recommended ANSI Z400.1-2004 standard format &
in accordance with European standard format

1. **Product and Company Identifcation:** **Date of preparation:** March, 2008

Product Name: California (Brand) Tile-Cote Polyamide Epoxy Component "B"
Immersion Coating No. 1200 Catalyst (Activator Only)
Producer: California Products Corporation
150 Dascomb Rd., Andover, MA 01810 (U.S.A.)
All Inquiries to: Tel: (978) 623-9980 Fax: (978) 623-9960
Emergency Information: 24 Hour Contact: CHEM-TEL: (800) 255-3924

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Combustible Liquid:
Flash point: 103°F (Seta Flash).
Flammable Limits: LEL: 1.1%, UEL: 5.9%
It has a solvent petroleum odor. When burned the product produces carbon monoxide and other asphyxiates during combustion. Harmful if inhaled and may cause delayed lung injury. Aspiration hazard if swallowed – can enter lungs and cause damage. Keep away from heat, sparks and flame. Avoid breathing vapor. Use ventilation to keep vapor below exposure limits. Avoid contact with eyes, skin and clothing. Material splashed into the eyes will irritate tissues. Gently flush material from eyes with clean water.

3. **Composition/Information on Ingredients:**

Organic solvent-borne activator comprised of organic solvent-borne epoxy.

Hazardous ingredients:
*2-butoxyethanol (CAS #111-76-2) < 9% OSHA PEL 25 ppm
Aromatic naphtha (CAS #64742-95-6) < 19.0% OSHA PEL 100 ppm
*2-propoxyethanol (CAS #2807-30-9) < 9.0% (PEL Not Established)

4. **First Aid Measures:**

INHALATION: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician. SPLASH (EYES): Flush eyes immediately with large amounts of water for at least 15 minutes. Take to a physician if irritation persists. INGESTION: If swallowed, call a physician if irritation persists. Never give anything by mouth to an unconscious person. Treat symptomatically.

5. **Fire-fighting methods:**

Extinguish Media: Foam, dry chemical, or carbon dioxide
Special Fire Fighting Procedures: Use supplied-air breathing equipment for enclosed areas. Cool exposed containers with water spray. Minimize breathing vapor or fumes.
Unusual Fire and Explosion Hazards: Do not mix or store with strong oxidants such as liquid chlorine or concentrated oxygen. "Empty" product containers retain product residue. Do not pressurize, cut, heat, weld, or expose such containers to flame; they may explode and cause injury or death.

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OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Use protective cream if skin contact is likely. Use full face shield, apron or other appropriate equipment.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using the wash room. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored.

9. Physical and Chemical Properties:

Forms: Viscous liquid, slight petroleum odor
Density: (White) 8.3 lbs./gal.
Boiling Point of major constituent (aromatic naphtha): 155-173°C
Vapor Pressure (mm Hg) Aromatic naphtha: 10mm @ 68°F
Vapor Density: (Air = 1), heavier than air
Solubility in water: Nil
Evaporation Rate (Butyl acetate=1): 0.20

10. Stability and Reactivity:

Stability: Hazardous polymerization will not occur. Stable. Hazardous reactions: Avoid high temperatures, amines, acids, hydroxyl or other active hydrogen compounds. Hazardous Decompositions Products: Incomplete combustions may produce fumes, smoke, carbon monoxide and other asphyxiates.

11. Toxicological Information:

Oral rat LD50: 470 mg/kg; Inhalation rat LC50: 450ppm/4H; Skin rabbit LD50: 220 mg/kg; investigated as a tumorigen, mutagen, reproductive effector

Reproductive Toxicity: Has shown teratogenic effects in laboratory animals.

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U.S. Department of Transportation (DOT) Hazard Class:
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15. Regulatory Information:

VOC CONTENT:
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U.S. FEDERAL REGULATORY INFORMATION
SARA 302 Threshold Planning Quantity: Non Applicable
SARA 304 Reportable Quantity: Not Applicable
SARA TITLE III-Section 311/312 Hazard Classes:

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- Delayed/Chronic Health Effects: No
- Fire Hazard: Yes
- Sudden Release of Pressure Hazard: No
- Reactivity Hazard: No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

CANADIAN REGULATORY INFORMATION
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16. Other Information:

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To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
64742-95-6	Aromatic Naphtha
111-76-2	2-butoxyethanol
2807-30-9	2-propoxyethanol
25068-38-6	Epoxy resin solids
No other ingredients	

HMIS HAZARD RATING			
Health 1	Flammability 2	Physical Hazard 0	Personal Protection H
HAZARD INDEX			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
H=Rubber gloves, safety goggles, rubber apron, organic vapor respirator			

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