

SAFETY DATA SHEET



FLORIDA PAINTS

5220 AQUATIONS: Pre-Catalyzed Epoxy, Satin


1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|----------------------|------------------------|
| Product Name: | DTM SATIN PRE-CATEPOXY |
| Product Code: | 5220 |
| Product Use: | Epoxy |

Manufacturer
FLORIDA PAINTS
78 THIRD STREET
WINTER GARDEN, FL 34787 | 407.986.1000

24 Hour Emergency Telephone Number
CHEMTEL (US): (800)255-3924
CHEMTEL (International): (813)248-0585

2. HAZARDS IDENTIFICATION

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|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification: | This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Skin Sensitization: Category 1 Carcinogenicity: Category 2 |
| Signal Word: | Warning |
| Pictograms: |  |
| Hazard Statements: | H317: May cause an allergic skin reaction H351: Suspected of causing cancer |
| Prevention Precautionary Statements: | P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P261: Avoid breathing dust/fumes/gas/mist/vapors/spray 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 |
| Response Precautionary Statements: | P302+352: IF ON SKIN: Wash with plenty of water P308+313: IF exposed: Call a POISON CENTER or doctor/physician P333+313: If skin irritation or a rash occurs: Get medical advice/attention P363: Wash contaminated clothing before reuse |

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| Storage Precautionary Statements: | P405: Store locked up |
| Disposal Precautionary Statements: | P501: Dispose of contents/container to an approved waste disposal plant |
| Hazards Not Otherwise Classified: | May cause allergic skin reaction |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Weight % | CAS Number |
|---------------------------------|------------|------------|
| Titanium dioxide | 10% to 20% | 13463-67-7 |
| Calcium carbonate | 5% to 10% | 1317-65-3 |
| Texanol ester alcohol | 1% to 5% | 25265-77-4 |
| Dipropylene glycol methyl ether | 1% to 5% | 34590-94-8 |
| Silicon dioxide | 1% to 5% | 7631-86-9 |
| Alumina trihydrate | 1% to 5% | 21645-51-2 |
| Diethylene glycol butyl ether | 0% to 1% | 112-34-5 |
| Hydrous alumino silicate | 0% to 1% | 8031-18-3 |
| Propylene glycol | 0% to 1% | 57-55-6 |
| Ammonium hydroxide | 0% to 1% | 1336-21-6 |
| Zirconium dioxide | 0% to 1% | 1314-23-4 |
| Polypropylene glycol | 0% to 1% | 25322-69-4 |
| 4,4-dimethyloxazolidine | 0% to 1% | 51200-87-4 |

4. FIRST AID MEASURES

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| General Advice: | No hazards requiring special first aid measures |
| Eyes: | Remove contact lenses, if applicable. Flush eyes with water for at least 10 minutes. Keep eyes wide open while flushing. Consult a physician if symptoms persist. |
| Skin: | Remove contaminated clothing. Flush affected area with soap and water. Consult a physician if irritation persists. Wash contaminated clothing before re-use. |
| Ingestion: | Remove dentures if applicable and wash out mouth with water. Drink large amounts of water. Consult a physician if symptoms persist. |
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration and consult a physician immediately. Consult a physician if symptoms persist. |
| Most Important Symptoms/Effects: | May cause allergic skin reaction |
| Notes to Physician: | Treat symptomatically |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media: | Use measures suitable to the circumstances and environment |
| Precautions for Firefighters: | Wear self-contained breathing apparatus and protective gear |
| Specific Hazards: | Sealed containers may rupture if exposed to high temperatures |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | Use proper personal protective equipment. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. |
| Other Precautions: | If safe to do so, prevent additional spillage |
| Clean-Up Method: | Soak up with non-combustible absorbent material. Dispose of used absorbent in suitable containers. |

7. HANDLING AND STORAGE

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| Handling Precautions: | Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mists, or dust. Wear respiratory equipment if ventilation is insufficient. |
| Storage Precautions: | Keep container upright, properly labeled, tightly closed, and out of reach of children in a cool, dry, well-ventilated area. |
| Incompatible Materials: | None |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
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| Ammonium hydroxide(1336-21-6) | | |
| ACGIH STEL: | 35 ppm | -- |
| ACGIH TWA: | 25 ppm | -- |
| NIOSH ST: | 35 ppm | 27 mg/m3 |
| NIOSH TWA: | 25 ppm | 18 mg/m3 |
| Calcium carbonate(1317-65-3) | | |
| NIOSH TWA: | 5 mg/m3 (respirable fraction) | 10 mg/m3 (total dust) |
| OSHA PEL: | 5 mg/m3 (respirable fraction) | 15 mg/m3 (total dust) |
| Diethylene glycol butyl ether(112-34-5) | | |
| ACGIH TWA: | 10 ppm | -- |
| Dipropylene glycol methyl ether(34590-94-8) | | |
| ACGIH STEL: | 150 ppm | -- |
| ACGIH TWA: | 100 ppm | -- |
| NIOSH ST: | 150 ppm | 900 mg/m3 |
| OSHA TWA: | 100 ppm | 600 mg/m3 |
| Polypropylene glycol(25322-69-4) | | |
| WEEL TWA: | 10 mg/m3 | -- |
| Propylene glycol(57-55-6) | | |
| WEEL TWA: | 10 mg/m3 | -- |
| Silicon dioxide(7631-86-9) | | |
| NIOSH TWA: | 6 mg/m3 | -- |
| OSHA TWA: | 20 mil particles/ft3 | 80 mg/m3/%SiO2 |
| Titanium dioxide(13463-67-7) | | |
| TWA: | ACGIH: 10 mg/m3 | OSHA: 15 mg/m3 |
| Zirconium dioxide(1314-23-4) | | |
| ACGIH: | TWA: 5 mg/m3 | STEL: 10 mg/m3 |
| NIOSH: | TWA: 5 mg/m3 | STEL: 10 mg/m3 |
| OSHA: | TWA: 5 mg/m3 | -- |

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| Engineering Measures: | Maintain adequate ventilation to keep exposure to airborne contaminants at safe levels. Use explosion-proof equipment. |
| Hygiene Measures: | No eating, drinking, or smoking while in use. Avoid contact with skin, eyes, and clothing. Wash hands, forearms, and face after handling. Wash contaminated clothing before re-use. |

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| Eye/Face Protection: | Safety glasses/goggles |
| Skin Protection: | Protective gloves and protective clothing |
| Respiratory Protection: | Respiratory equipment if ventilation is inadequate |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------------------------|-------------------------------------------|
| Physical State: | Liquid |
| Color: | Determined by customer (white by default) |
| Odor: | Little to none |
| Odor Threshold: | No information available |
| pH: | No information available |
| Melting Point (°F): | No information available |
| Boiling Point (°F): | 100.0 -212 |
| Flash Point (°F): | 120.00 |
| Flash Point Method: | Closed cup |
| Evaporation Rate: | No information available |
| Flammability (Solid/Gas): | No information available |
| Flammability Limits: | No information available |
| Vapor Pressure (mm Hg): | No information available |
| Vapor Density: | No information available |
| Specific Gravity: | No information available |
| % Solubility in Water: | No information available |
| Octanol/Water Partition Coefficient: | No information available |
| Auto-Ignition Temperature (°F): | No information available |
| Decomposition Temperature (°F): | No information available |
| Viscosity (KU): | 105-110 |

10. STABILITY AND REACTIVITY

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|--------------------------------------------|----------------------------------------|
| Reactivity: | Not applicable |
| Possibility of Hazardous Reactions: | None under normal conditions of use |
| Hazardous Decomposition Products: | None under normal conditions of use |
| Stability: | Stable under normal storage conditions |
| Incompatible Materials: | None |
| Conditions to Avoid: | Freezing |

11. TOXICOLOGICAL INFORMATION

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|---------------------------------------------|--------------|
| Alumina trihydrate(21645-51-2) | |
| Oral LD50 (rat): | >2000 mg/kg |
| Diethylene glycol butyl ether(112-34-5) | |
| Dermal LD50 (rabbit): | 2764 mg/kg |
| Oral LD50 (rat): | 7291 mg/kg |
| Dipropylene glycol methyl ether(34590-94-8) | |
| Dermal LD50 (rabbit): | 9510 mg/kg |
| Oral LD50 (rat): | >5000 mg/kg |
| Polypropylene glycol(25322-69-4) | |
| Dermal LD50 (rabbit): | >3000 mg/kg |
| Oral LD50 (rat): | >2000 mg/kg |
| Propylene glycol(57-55-6) | |
| Dermal LD50 (rabbit): | 20800 mg/kg |
| Intramuscular LD50 (rat) | 14 g/kg |
| Intraperitoneal LD50 (mouse): | 9718 mg/kg |
| Intraperitoneal LD50 (rat): | 6660 mg/kg |
| Intravenous LD50 (dog): | 26 g/kg |
| Intravenous LD50 (mouse): | 6630 mg/kg |
| Intravenous LD50 (rabbit): | 6500 mg/kg |
| Intravenous LD50 (rat): | 6423 mg/kg |
| Oral LD50 (rat): | 20000 mg/kg |
| Subcutaneous LD50 (mouse): | 17370 mg/kg |
| Subcutaneous LD50 (rat): | 22500 mg/kg |
| Silicon dioxide(7631-86-9) | |
| Oral LD50 (rat): | 3160 mg/kg |
| Texanol ester alcohol(25265-77-4) | |
| Dermal LD50 (rabbit): | 15200 mg/kg |
| Oral LD50 (rat): | 6500 mg/kg |
| Titanium dioxide(13463-67-7) | |
| Dermal LD50 (rabbit): | >10000 mg/kg |
| Oral LD50 (rat): | >10000 mg/kg |

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| Primary Routes of Exposure: | Eye contact, skin contact, inhalation |
| Acute Toxicity: | No information available |

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| Exposure Effects | |
| Eye Contact: | Irritation |
| Skin Contact: | Irritation, drying |
| Inhalation: | Irritation of respiratory system |
| Ingestion: | Gastrointestinal irritation, diarrhea, nausea, vomiting |
| Target Organ (Single Exposure): | No information available |
| Target Organ (Repeated Exposure): | No information available |
| Sensitization: | No information available |
| Carcinogenicity: | No information available |
| Mutagenicity: | No information available |
| Reproductive Toxicity: | No information available |
| Other: | No information available |

12. ECOLOGICAL INFORMATION

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|-------------------------------------------------------------------|-------------|
| Alumina trihydrate(21645-51-2) | |
| Semi-static NOEC (salmo trutta, 96 hrs): | >0.07 mg/L |
| Static NOEC (algae, 72 hrs): | >0.004 mg/L |
| Static NOEC (water flea, 48 hrs): | >0.005 mg/L |
| Diethylene glycol butyl ether(112-34-5) | |
| Biodegradability (aerobic, 28 days): | 91.7% |
| LC50 (Pseudomonas putida, 16 hrs): | 1170 mg/L |
| Static EC50 (Scenedesmus subspicatus, 96 hrs): | >100 mg/L |
| Static EC50 (water flea, 48 hrs): | >100 mg/L |
| Static LC50 (Lepomis macrochirus, 96 hrs): | 1300 mg/L |
| Dipropylene glycol methyl ether(34590-94-8) | |
| Biodegradability (aerobic, 28 days): | 76% |
| Growth inhibition EC50 (Pseudokirchneriella subcapitata, 72 hrs): | >969 mg/L |
| Immobilization EC50 (water flea, 48 hrs): | 1919 mg/L |
| Static LC50 (guppy, 96 hrs): | >1000 mg/L |
| Polypropylene glycol(25322-69-4) | |
| Biodegradability (aerobic, 28 days): | 86.6% |
| EC50 (bacteria, 3 hrs): | >1000 mg/L |
| Static EC50 (green algae, 72 hrs): | >100 mg/L |
| Static EC50 (water flea, 48 hrs): | 105.8 mg/L |
| Static LC50 (zebra fish, 96 hrs): | >100 mg/L |
| Propylene glycol(57-55-6) | |
| EC50 (water flea, 48 hrs): | >10000 mg/L |
| Mortality NOEC (fathead minnow, 96 hrs): | 52930 mg/L |
| Mortality NOEC (water flea, 48 hrs): | 13020 mg/L |
| Texanol ester alcohol(25265-77-4) | |
| Biodegradability (aerobic, 28 days): | >98% |
| Static EC50 (green algae, 72 hrs): | 18.4 mg/L |
| Static EC50 (water flea, 48 hrs): | 147.8 mg/L |
| Static LC50 (fathead minnow, 96 hrs): | 33 mg/L |
| Titanium dioxide(13463-67-7) | |
| EC50 (water flea, 48 hrs): | >1000 mg/L |
| LC50 (fish, 96 hrs): | >1000 mg/L |
| Zirconium dioxide(1314-23-4) | |
| LC50 (zebrafish, 96 hrs): | >100 mg/L |
| Static EC50 (water flea, 48 hrs): | >100 mg/L |

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| Ecotoxicological Effects: | The environmental impact of this substance has not been fully evaluated |
| Persistence/Degradability: | No information available |
| Bioaccumulative Potential: | No information available |
| Environmental Mobility: | No information available |
| Other Effects: | No information available |

13. DISPOSAL CONSIDERATIONS

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|-------------------------|----------------------------------------------------------------------------------|
| Disposal Method: | Dispose of in accordance with federal, state, provincial, and local regulations. |
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14. TRANSPORT INFORMATION

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| DOT: | Not regulated |
| ICAO/IATA: | Not regulated |
| IMDG/IMO: | Not regulated |

15. REGULATORY INFORMATION

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|----------------------|---------------------------------------------------------------------------------|
| TSCA (US): | All components are listed or exempt |
| DSL (Canada): | One or more components are listed on the NDSL. All others are listed or exempt. |

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| <u>311/312 Hazard Categories</u> | |
| Fire: | No |
| Pressure Generating: | No |
| Reactivity: | No |
| Acute: | Yes |
| Chronic: | Yes |

SARA 313

This material does not contain any hazardous components exceeding the reporting thresholds established by SARA Title III, Section 313.

State Right-to-Know

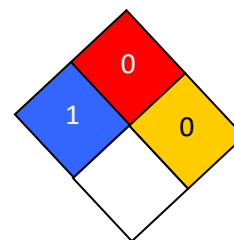
| Chemical Name | CAS Number | MA | NJ | PA | RI |
|---------------------------------|-------------------|-----------|-----------|-----------|-----------|
| Titanium dioxide | 13463-67-7 | X | X | X | X |
| Calcium carbonate | 1317-65-3 | X | X | X | X |
| Texanol ester alcohol | 25265-77-4 | | X | X | |
| Dipropylene glycol methyl ether | 34590-94-8 | X | X | X | X |
| Silicon dioxide | 7631-86-9 | X | X | X | |
| Alumina trihydrate | 21645-51-2 | | X | X | |
| Diethylene glycol butyl ether | 112-34-5 | | X | X | |
| Hydrous alumino silicate | 8031-18-3 | | X | X | |
| Propylene glycol | 57-55-6 | | X | X | X |
| Ammonium hydroxide | 1336-21-6 | X | X | X | |
| Zirconium dioxide | 1314-23-4 | X | X | X | |
| Polypropylene glycol | 25322-69-4 | | X | X | |
| 4,4-dimethyloxazolidine | 51200-87-4 | | X | X | |

| | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| California Proposition 65: | This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm |
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16. OTHER INFORMATION

| HMIS RATING | |
|----------------------|----|
| Health: | 1* |
| Flammability: | 0 |
| Reactivity: | 0 |
| Personal Protection: | -- |

NFPA CODES



PPE rating has been left intentionally blank. Choose appropriate PPE based upon actual conditions of use.

| | |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision Indicator: | Revised 8/11/2016 |
| Disclaimer: | The information contained in this Safety Data Sheet (SDS) is provided in good faith and is believed to be accurate as of the effective date listed. The information applies only to the product as provided and may not be valid if combined with other materials. No warranty is implied or given. The user is responsible for complying with all applicable laws and regulations. |