Universal Color Tint

Product Name: Universal Color Tint
Product Number: Universal Color Tint
MSDS #: 02/2011#1
Date Issued: 02/2011
Issued by: Citadel Floor Finishing Systems

For Emergency Assistance involving chemicals call CHEMTREC (800) 424-9300

MANUFACTURED BY:
Citadel Floor Finishing Systems
3001 103rd In NE
Blaine, MN 55449
866-765-4310

MANUFACTURED EXCLUSIVELY FOR CITADEL FLOOR FINISHING SYSTEMS
TRANSPORTATION EMERGENCY • CALL CHEMTREC: (800) 424-9300 • INTERNATIONAL: (703) 527-3887

1. Product and Company Identification

Product Number: Universal Color Tint
Chemical Family: Color Tint

2. Hazards Identification

EMERGENCY OVERVIEW

CAUTION!

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
POTENTIAL HEALTH EFFECTS
Primary Routes of Entry: Skin Contact, Eye Contact, Ingestion, Inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Causes headache, drowsiness or other effects to the central nervous system. Kidney injury may occur.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

INHALATION / ACUTE INHALATION
For Product: Universal Tint
Move injured person into fresh air and keep person calm under observation. Get medical attention immediately. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.

SKIN / ACUTE SKIN
For Product: Universal Tint
Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

CHRONIC SKIN
For Product: Universal Tint
Prolonged contact can cause reddening, swelling, rash, and in some cases, skin sensitization.

EYE / ACUTE EYE
For Product: Universal Tint
Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

INGESTION / ACUTE INGESTION
For Product: Universal Tint
Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE
May cause or aggravate dermatitis and asthma.

CARCINOGENICITY
No Carcinogenic substances as defined by IARC, NTP and/or OSHA.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Weight %</th>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>55 - 60</td>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>10-15</td>
<td>PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE</td>
<td>108-65-6</td>
</tr>
<tr>
<td>1-5</td>
<td>BUTYL ACETATE</td>
<td>123-86-4</td>
</tr>
<tr>
<td>1-5</td>
<td>PROPRIETARY INERT</td>
<td>Trade Secret</td>
</tr>
</tbody>
</table>
4. First Aid Measures

EYE CONTACT
Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

SKIN CONTACT
Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

INHALATION
Move injured person into fresh air and keep person calm under observation. Get medical attention immediately. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.

INGESTION
Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Get medical attention.

NOTES TO PHYSICIAN
Symptomatic and supportive therapy as needed. Following severe exposure medical follow up should be monitored for at least 48 hours.

5. Fire-Fighting Measures

Flash point (Fahrenheit): 108
Flash point (Celsius): 42.22
Lower explosive limit (%): 1
Upper explosive limit (%): 13
Autoignition temperature: not determined
Sensitivity to impact: no
Sensitivity to static discharge: Subject to static discharge hazards. Please see bonding and grounding information

UNUSUAL FIRE AND EXPLOSION HAZARDS
None known

EXTINGUISHING MEDIA
Carbon dioxide, dry chemical, foam and/or water fog.

FIRE FIGHTING PROCEDURES
Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. Accidental release measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, “Handling and Storage”, for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.
7. Handling and Storage

STORAGE TEMPERATURE
Minimum: 0 C (32º F)
Maximum: 50 C (122º F)

STORAGE PERIOD
6 months in unopened containers

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

FURTHER INFO ON STORAGE CONDITIONS
Avoid contact with moisture/water. Material can be stored safely at ambient temperatures.

8. Exposure Controls/ Personal Protection

Country specific exposure limits have not been established or are not applicable.

INDUSTRIAL HYGIENE/VENTILATION MEASURES
Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

RESPIRATORY PROTECTION
If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer’s literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer’s instructions.

HAND PROTECTION
The following protective materials are recommended: Gloves - neoprene, nitrile rubber, butyl rubber. Thin latex disposable gloves should be avoided for repeated or long term use. Protective clothing should be selected and used in accordance with ‘Guidelines for the Selection of Chemical Protective Clothing’ published by ACGIH.

EYE PROTECTION
Chemical goggles, also wear a face shield if splashing hazard exists.

SKIN AND BODY PROTECTION
9. Physical and chemical properties

Odor: Normal for this product type.
Physical State: liquid
pH: Not determined
Vapor pressure: 9.7744361 mmHg @ 68ºF (20ºC)
Vapor density (air = 1.0): 4.6
Boiling point: >143 C
Solubility in water: Not determined
Coefficient of water/oil distribution: Not determined
Density (lbs per US gallon): 16.5
Specific Gravity: 1.98
Evaporation rate (butyl acetate = 1.0): 1
Flash point (Fahrenheit): 98
Flash point (Celsius): 37
Lower explosive limit (%): 1
Upper explosive limit (%): 13
Autoignition temperature: Not determined

10. Stability and Reactivity

HAZARDOUS REACTIONS
Hazardous polymerization does not occur.

STABILITY
Stable under normal conditions.

CONDITIONS TO AVOID
Avoid Extreme Heat.

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide and carbon dioxide. Metal oxide fumes.

HAZARDOUS POLYMERIZATION
None anticipated.

SENSITIVITY TO STATIC DISCHARGE
Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. Toxicological Information

TOXICITY DATA FOR UNIVERSAL TINT / TOXICITY NOTE

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS-No.</th>
<th>Approx.Weight %</th>
<th>NIOSH - Selected LD50s and LC50s</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>55 - 60</td>
<td>&gt; 10000 mg/kg Oral LD50 Rat</td>
</tr>
<tr>
<td>PROPYLENEGLYCOL</td>
<td>108-65-6</td>
<td>10 - 15</td>
<td>= 8532 mg/kg Oral LD50 Rat</td>
</tr>
<tr>
<td>MONOMETHYL ETHER</td>
<td></td>
<td></td>
<td>&gt; 5000 mg/kg Dermal LD50 Rabbit</td>
</tr>
<tr>
<td>ACETATE</td>
<td></td>
<td></td>
<td>= 10768 mg/kg Oral LD50 Rat</td>
</tr>
<tr>
<td>BUTYL ACETATE</td>
<td>123-86-4</td>
<td>1 - 5</td>
<td>&gt; 390 ppm Inhalation LC50 Rat 4 h</td>
</tr>
<tr>
<td>PROPRIETARY INERT</td>
<td></td>
<td>1 - 5</td>
<td>&gt; 17600 mg/kg Dermal LD50 Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&gt; 5000 mg/kg Oral LD50 Rat</td>
</tr>
</tbody>
</table>
MUTAGENS/TERATOGENS/CARCINOGENS
Possible cancer hazard. Contains material which may cause cancer based on animal data. Contains TIO2 which is listed by IARC as a possible human carcinogen (Group 2B) based on animal data. Neither long term animal studies, nor human epidemiology studies of workers exposed to TIO2 provide an adequate basis to conclude TIO2 is carcinogenic. TIO2 is not classified as a carcinogen by NTP, U.S. OSHA, or the U.S. EPA.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Approx.Weight %</th>
<th>IARC Group 1-</th>
<th>ARC Group 2A -</th>
<th>IARC Group 2B -</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td>HumanEvidence</td>
<td>Limited Human Data</td>
<td>Monograph 47 [1989]</td>
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</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>55 - 60</td>
<td>13463-67-7</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Approx.Weight %</th>
<th>NTP Known Carcinogens</th>
<th>NTP Suspect Carcinogens</th>
<th>NTP Evidence of Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td></td>
<td>male rat-negative;</td>
<td>female rat-negative;</td>
<td>male mice-negative; female</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>55 - 60</td>
<td>female mice-negative;</td>
<td></td>
<td>mice-negative</td>
</tr>
<tr>
<td>13463-67-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Approx.Weight %</th>
<th>OSHA - Hazard Communication</th>
<th>OSHA - Hazard Communication</th>
<th>OSHA - Specificall Regulated Carcinogens</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td></td>
<td>Carcinogens</td>
<td>Carcinogens</td>
<td>ACGIH Carcinogens</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>55 - 60</td>
<td>Present</td>
<td></td>
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</tr>
<tr>
<td>13463-67-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological Information
No information on ecology is available.

13. Disposal considerations
Disposal should be made in accordance with federal, state and local regulations.

14. Transportation information

SEA TRANSPORT IMDG-CODE
Class 3
UN # 1263
Packing Group III
EmS F-E S-E
Proper technical name Paint Related Material
(Proper shipping name)

AIR TRANSPORT ICAO-TI/TA-DGR
Class 3
UN # 1263
Packing Group III
Proper technical name Paint Related Material
(Proper shipping name)
15. Regulatory Information

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>APPROX. WEIGHT %</th>
<th>SARA 302</th>
<th>SARA 313</th>
<th>CERCLA RQ IN LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUTYL ACETATE</td>
<td>1 - 5</td>
<td>5000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123-86-4</td>
<td></td>
<td></td>
<td>5000</td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 HAZARD CLASS

ACUTE: YES
CHRONIC: YES
FLAMMABILITY: YES
REACTIVITY: NO
SUDDEN PRESSURE: NO

U.S. STATE REGULATIONS

RIGHT TO KNOW

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

PENNSYLVANIA RIGHT TO KNOW

PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE 108-65-6
BUTYL ACETATE 123-86-4
TITANIUM DIOXIDE 13463-67-7
PROPRIETARY INERT Trade Secret

ADDITIONAL NON-HAZARDOUS MATERIALS

PROPRIETARY INERT Trade Secret
PROPRIETARY ADDITIVE Trade Secret
PROPRIETARY RESIN Trade Secret

RULE 66 STATUS OF PRODUCT

Not photochemically reactive.

INTERNATIONAL REGULATIONS - CHEMICAL INVENTORIES

US TSCA INVENTORY

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

CANADA DOMESTIC SUBSTANCES LIST

All components of this product are listed on the Domestic Substances List.
16. Other Information

HMIS CODES
Health:  2*
Flammability:  3
Reactivity:  1
PPE: X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:
OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, TSCA - Toxic Substances Control Act, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Contact Person: Product Safety Department
Telephone:  866-765-4310
MSDS number:  02/2011 #1
Version Date:  02/2011

For Additions Information:
Contact: MSDS Coordinator-Universal Tint
During business hours, Center-866-765-4310

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END OF MSDS
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02/2011