Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

ColorPave HD Tint – Dove Gray
Product No. S2265

SECTION I - Manufacturer / Product Information
Manufacturer's Name: ThorWorks Industries, Inc. Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Address: 2520 South Campbell Street Date Prepared: January 15, 2010
Sandusky, Ohio 44870

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m3</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics
Boiling Point: 100° Celsius (212° Fahrenheit) Specific Gravity (H2O = 1): 1.88
Vapor Pressure (mm Hg): Nearly equal to water. Melting Point: N/A
Vapor Density (AIR = 1): <1 Evaporation Rate (Butyl Acetate = 1): Approximately 1.8

SECTION IV - Fire and Explosion Hazard Data
Flash Point (Method Used): N/A Flammable Limits: N/A LEL: N/A UEL: N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data
Stability: Unstable: X Conditions to Avoid: Keep from freezing and extreme heat.
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: May Occur: Will Not Occur: X Conditions to Avoid: N/A
SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes  Skin Contact? No  Ingestion? Yes  Eye Contact? Yes

Health Hazards (Acute and Chronic):
(Acute): Dizziness, weakness, nausea, headache.
(Chronic): Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No

Signs and Symptoms of Exposure:
Inhalation: Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
Ingestion: Can cause nausea, vomiting, diarrhea.
Skin: Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
Eye: Irritation from vapor or liquid.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:
Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
Ingestion: If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
Skin Contact: Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
Eye Contact: Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

Waste Disposal Method: Dispose of in accordance with Local, State, and Federal regulations.

Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

Ventilation: Local Exhaust: Yes  Special: N/A  Mechanical (General): N/A  Other: N/A

Protective Gloves: Yes  Eye Protection: Yes

Other Protective Clothing or Equipment: A rubber apron is recommended to protect clothing from splash during application.

Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

ColorPave HD Tint – Light Green

SECTION I  - Manufacturer / Product Information
Manufacturer's Name: ThorWorks Industries, Inc.
Emergency Telephone No.: 1-800-326-1994
Address: 2520 South Campbell Street
Sandusky, Ohio 44870
Date Prepared: January 15, 2010

SECTION II - Chemical Identity Information
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m3</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics
Boiling Point: 100°C Celsius (212°F Fahrenheit)
Vapor Pressure (mm Hg): Nearly equal to water.
Vapor Density (AIR = 1): <1
Specific Gravity (H2O = 1): 1.88
Evaporation Rate (Butyl Acetate = 1): Approximately 1.8
Solubility in Water: Easily dispersible in the liquid state.
Appearance and Odor: Gray liquid, mild odor.

SECTION IV - Fire and Explosion Hazard Data
Flash Point (Method Used): N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data
Stability: Unstable: X
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: May Occur: Will Not Occur: X

H. M. I. S. RATING
<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Protective Equip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

Product No. S2255
SECTION VI - Health Hazard Data

Route(s) of Entry:  
Inhalation? Yes  
Skin Contact? No  
Ingestion? Yes  
Eye Contact? Yes  

Health Hazards (Acute and Chronic):  
(Acute): Dizziness, weakness, nausea, headache.  
(Chronic): Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

Carcinogenicity:  
NTP? No  
IARC Monographs? No  
OSHA Regulated? No

Signs and Symptoms of Exposure:  
Inhalation: Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.  
Ingestion: Can cause nausea, vomiting, diarrhea.  
Skin: Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.  
Eye: Irritation from vapor or liquid.  

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:  
Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.  
Ingestion: If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.  
Skin Contact: Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.  
Eye Contact: Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:  
Dike and contain spill with inert material (sand, sawdust, diamateous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.  

Waste Disposal Method: Dispose of in accordance with Local, State, and Federal regulations.  

Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.  

Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.  
Ventilation:  
Local Exhaust: Yes  
Mechanical (General): N/A

Protective Gloves: Yes  
Eye Protection: Yes  

Other Protective Clothing or Equipment: A rubber apron is recommended to protect clothing from splash during application.  

Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor
Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

ColorPave HD Tint – Red
Product No. S2260

SECTION I - Manufacturer / Product Information
Manufacturer’s Name: ThorWorks Industries, Inc.
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Address: 2520 South Campbell Street Sandusky, Ohio 44870
Telephone Number for Information: 1-800-326-1994
Date Prepared: January 15, 2010

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m3</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.88</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Nearly equal to water.</td>
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<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>&lt;1</td>
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<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Approximately 1.8</td>
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<tr>
<td>Solubility in Water</td>
<td>Easily dispersible in the liquid state.</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Gray liquid, mild odor.</td>
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</table>

SECTION IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
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<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL: N/A</td>
<td>UEL: N/A</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Foam, CO2, dry chemical, water fog, other.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>N/A</td>
</tr>
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</table>

SECTION V - Reactivity Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability:</td>
<td>Unstable: X</td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid):</td>
<td>Strong oxidizers.</td>
</tr>
<tr>
<td>Hazardous Decomposition or Byproducts:</td>
<td>Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>May Occur: X</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>N/A</td>
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</table>

H.M.I.S. RATING

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Protective Equip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>


### SECTION VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Yes</th>
<th>Skin Contact?</th>
<th>No</th>
<th>Ingestion?</th>
<th>Yes</th>
<th>Eye Contact?</th>
<th>Yes</th>
</tr>
</thead>
</table>

**Health Hazards (Acute and Chronic):**

**Acute:** Dizziness, weakness, nausea, headache.

**Chronic:** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**

- **Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
- **Ingestion:** Can cause nausea, vomiting, diarrhea.
- **Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
- **Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**

- **Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
- **Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
- **Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
- **Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- Local Exhaust: Yes
- Mechanical (General): N/A

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

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Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

ColorPave HD Tint – Sandstone
Product No. S2270

SECTION I - Manufacturer / Product Information
Manufacturer's Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: November 10, 2009

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
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<td>Iron Oxide</td>
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<td>10 mg/m3</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100°C Celsius (212°F Fahrenheit)
Vapor Pressure (mm Hg): Nearly equal to water.
Vapor Density (AIR = 1): <1
Evaporation Rate (Butyl Acetate = 1): Approximately 1.8
Solubility in Water: Easily dispersible in the liquid state.
Appearance and Odor: Beige liquid, mild odor.
Specific Gravity (H2O = 1): 1.86
Melting Point: N/A

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): N/A
Flammable Limits: N/A
LEL: N/A
UEL: N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data

Stability: Unstable: X
Condition to Avoid: Keep from freezing and extreme heat.
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: May Occur: Will Not Occur: X
Condition to Avoid: N/A
### SECTION VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Skin Contact?</th>
<th>Ingestion?</th>
<th>Eye Contact?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Yes</strong></td>
<td><strong>No</strong></td>
<td><strong>Yes</strong></td>
<td><strong>Yes</strong></td>
<td><strong>Yes</strong></td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic):**

**(Acute):** Dizziness, weakness, nausea, headache.

**(Chronic):** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? **No**
- IARC Monographs? **No**
- OSHA Regulated? **No**

**Signs and Symptoms of Exposure:**
- **Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
- **Ingestion:** Can cause nausea, vomiting, diarrhea.
- **Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
- **Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**
- **Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
- **Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
- **Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
- **Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Local Exhaust:</th>
<th>Special:</th>
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<tbody>
<tr>
<td></td>
<td><strong>Yes</strong></td>
<td>N/A</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Mechanical (General):</th>
<th>N/A</th>
<th>Other:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td><strong>N/A</strong></td>
</tr>
</tbody>
</table>

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

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Material Safety Data Sheet – OSHA 174

ColorPave HD Tint – Brickyard Red

Product No. S2215

SECTION I - Manufacturer / Product Information

Manufacturer's Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870
Emergency Telephone No.: Chemptrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
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SECTION III - Physical / Chemical Characteristics

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<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.88</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Nearly equal to water.</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Approximately 1.8</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Easily dispersible in the liquid state.</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Red liquid, mild odor.</td>
</tr>
</tbody>
</table>

SECTION IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL: N/A</td>
<td>UEL: N/A</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Foam, CO2, dry chemical, water fog, other.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>N/A</td>
</tr>
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SECTION V - Reactivity Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability: Unstable</td>
<td>Stable: X</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Keep from freezing and extreme heat.</td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid): Strong oxidizers.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>May Occur:</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Will Not Occur: N/A</td>
</tr>
</tbody>
</table>

H.M.I.S. RATING

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Protective Equip.</td>
<td>E</td>
</tr>
</tbody>
</table>
### SECTION VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin Contact?</th>
<th>Ingestion?</th>
<th>Eye Contact?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic):**

**(Acute):** Dizziness, weakness, nausea, headache.

**(Chronic):** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**
- **Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
- **Ingestion:** Can cause nausea, vomiting, diarrhea.
- **Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
- **Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**
- **Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
- **Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
- **Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
- **Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diamateous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- Local Exhaust: Yes
- Special: N/A
- Mechanical (General): N/A
- Other: N/A

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
**Material Safety Data Sheet – OSHA 174**

**ColorPave HD Tint – Brownstone**  
**Product No. S2225**

### SECTION I - Manufacturer / Product Information

<table>
<thead>
<tr>
<th>Manufacturer's Name:</th>
<th>Emergency Telephone No.: Chemtrec: 1-800-424-9300</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThorWorks Industries, Inc.</td>
<td>Telephone Number for Information: 1-800-326-1994</td>
</tr>
<tr>
<td>Address: 2520 South Campbell Street</td>
<td>Date Prepared: August 10, 2004</td>
</tr>
<tr>
<td>Sandusky, Ohio 44870</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION III - Physical / Chemical Characteristics

- **Boiling Point:** 100°C Celsius (212°F Fahrenheit)
- **Specific Gravity (H₂O = 1):** 1.87
- **Vapor Pressure (mm Hg):** Nearly equal to water.
- **Melting Point:** N/A
- **Vapor Density (AIR = 1):** <1
- **Evaporation Rate (Butyl Acetate = 1):** Approximately 1.8
- **Solubility in Water:** Easily dispersible in the liquid state.
- **Appearance and Odor:** Dark brown liquid, mild odor.

### SECTION IV - Fire and Explosion Hazard Data

- **Flash Point (Method Used):** N/A
- **Flammable Limits:** N/A
- **LEL:** N/A  
- **UEL:** N/A
- **Extinguishing Media:** Foam, CO₂, dry chemical, water fog, other.
- **Special Fire Fighting Procedures:** Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
- **Unusual Fire and Explosion Hazards:** N/A

### SECTION V - Reactivity Data

- **Stability:** Unstable: X  
- **Conditions to Avoid:** Keep from freezing and extreme heat.
- **Incompatibility (Materials to Avoid):** Strong oxidizers.
- **Hazardous Decomposition or Byproducts:** Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
- **Hazardous Polymerization:** May Occur:  
- **Will Not Occur:** X  
- **Conditions to Avoid:** N/A
**SECTION VI - Health Hazard Data**

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Yes</th>
<th>Skin Contact?</th>
<th>No</th>
<th>Ingestion?</th>
<th>Yes</th>
<th>Eye Contact?</th>
<th>Yes</th>
</tr>
</thead>
</table>

**Health Hazards (Acute and Chronic):**

**(Acute):** Dizziness, weakness, nausea, headache.

**(Chronic):** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**

**Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.

**Ingestion:** Can cause nausea, vomiting, diarrhea.

**Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.

**Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**

**Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.

**Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.

**Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

**SECTION VII - Precautions for Safe Handling and Use**

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

**SECTION VIII - Control Measures**

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- Local Exhaust: Yes
- Mechanical (General): N/A
- Special: N/A

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

**SECTION IX - Disclaimer**

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
**Material Safety Data Sheet – OSHA 174**

**Material Safety Data Sheet**
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**ColorPave HD Tint – Burnt Sienna**

**SECTION I - Manufacturer / Product Information**

<table>
<thead>
<tr>
<th>Manufacturer's Name:</th>
<th>ThorWorks Industries, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>2520 South Campbell Street</td>
</tr>
<tr>
<td></td>
<td>Sandusky, Ohio 44870</td>
</tr>
<tr>
<td>Emergency Telephone No.:</td>
<td>Chemtrec: 1-800-424-9300</td>
</tr>
<tr>
<td>Telephone Number for Information:</td>
<td>1-800-326-1994</td>
</tr>
<tr>
<td>Date Prepared:</td>
<td>August 10, 2004</td>
</tr>
</tbody>
</table>

**SECTION II - Chemical Identity Information**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION III - Physical / Chemical Characteristics**

|沸点 | 100°C Celsius (212°F Fahrenheit) |
|沸点压（mm Hg） | Nearly equal to water. |
|密度（AIR = 1） | <1 |
|溶解在水 | Easily dispersible in the liquid state. |
|外貌和气味 | Red-brown liquid, mild odor. |

**SECTION IV - Fire and Explosion Hazard Data**

|闪点 | N/A |
|可燃极限 | N/A |
|易燃性 | N/A |
|灭火介质 | Foam, CO₂, dry chemical, water fog, other. |
|特殊灭火程序 | Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation. |
|不寻常的火灾和爆炸危险 | N/A |

**SECTION V - Reactivity Data**

|稳定性 | Unstable: X | Conditions to Avoid: Keep from freezing and extreme heat. |
|不相容性（避免材料） | Strong oxidizers. |
|有害分解或副产品 | Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products. |
|有害聚合 | May Occur: N/A |
|不会发生 | Conditions to Avoid: N/A |
SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes  Skin Contact? No  Ingestion? Yes  Eye Contact? Yes

Health Hazards (Acute and Chronic):
(Acute): Dizziness, weakness, nausea, headache.
(Chronic): Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No

Signs and Symptoms of Exposure:
Inhalation: Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
Ingestion: Can cause nausea, vomiting, diarrhea.
Skin: Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
Eye: Irritation from vapor or liquid.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:
Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
Ingestion: If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
Skin Contact: Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
Eye Contact: Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

Waste Disposal Method: Dispose of in accordance with Local, State, and Federal regulations.

Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C. Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

Ventilation: Local Exhaust: Yes  Special: N/A
Mechanical (General): N/A  Other: N/A

Protective Gloves: Yes  Eye Protection: Yes

Other Protective Clothing or Equipment: A rubber apron is recommended to protect clothing from splash during application.

Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
Material Safety Data Sheet – OSHA 174

ColorPave HD Tint – Forest Green
Product No. S2240

SECTION I - Manufacturer / Product Information

Manufacturer's Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
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</thead>
<tbody>
<tr>
<td>Chromic Oxide</td>
<td>1308-38-9</td>
<td>0.5 mg/m3</td>
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<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100°C Celsius (212°F Fahrenheit)
Vapor Pressure (mm Hg): Nearly equal to water.
Vapor Density (AIR = 1): <1
Evaporation Rate (Butyl Acetate = 1): Approximately 1.8
Solubility in Water: Easily dispersible in the liquid state.
Appearance and Odor: Green liquid, mild odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): N/A
Flammable Limits: N/A
LEL: N/A UEL: N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data

Stability: Unstable: X Stable: Conditions to Avoid: Keep from freezing and extreme heat.
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: May Occur: Will Not Occur: X Conditions to Avoid: N/A
### SECTION VI - Health Hazard Data

**Route(s) of Entry:**
- Inhalation? Yes
- Skin Contact? No
- Ingestion? Yes
- Eye Contact? Yes

**Health Hazards (Acute and Chronic):**

**Acute:**
- Dizziness, weakness, nausea, headache.

**Chronic:**
- Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**

**Inhalation:**
- Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.

**Ingestion:**
- Can cause nausea, vomiting, diarrhea.

**Skin:**
- Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.

**Eye:**
- Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:**
- None known.

**Emergency and First Aid Procedures:**

**Inhalation:**
- Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.

**Ingestion:**
- If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**Skin Contact:**
- Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.

**Eye Contact:**
- Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:**
- Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:**
- Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:**
- Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.

**Other Precautions:**
- Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):**
- None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- Local Exhaust: Yes
- Special: N/A
- Mechanical (General): N/A
- Other: N/A

**Protective Gloves:**
- Yes

**Eye Protection:**
- Yes

**Other Protective Clothing or Equipment:**
- A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:**
- Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
Material Safety Data Sheet – OSHA 174

**SECTION I - Manufacturer / Product Information**

**Manufacturer's Name:** ThorWorks Industries, Inc.

**Address:** 2520 South Campbell Street

Sandusky, Ohio 44870

**Emergency Telephone No.:** Chemtrec: 1-800-424-9300

**Telephone Number for Information:** 1-800-326-1994

**Date Prepared:** August 10, 2004

**SECTION II - Chemical Identity Information**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECTION III - Physical / Chemical Characteristics**

- **Boiling Point:** 100°C Celsius (212°F Fahrenheit)
- **Specific Gravity (H₂O = 1):** 1.88
- **Vapor Pressure (mm Hg):** Nearly equal to water.
- **Melting Point:** N/A
- **Vapor Density (AIR = 1):** <1
- **Evaporation Rate (Butyl Acetate = 1):** Approximately 1.8
- **Solubility in Water:** Easily dispersible in the liquid state.
- **Appearance and Odor:** Gray liquid, mild odor.

**SECTION IV - Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Flash Point (Method Used): N/A</th>
<th>Flammable Limits: N/A</th>
<th>LEL: N/A</th>
<th>UEL: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media: Foam, CO₂, dry chemical, water fog, other.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards: N/A</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**SECTION V - Reactivity Data**

- **Stability:** Unstable
- **Incompatibility (Materials to Avoid):** Keep from freezing and extreme heat.
- **Strong oxidizers.**
- **Hazardous Decomposition or Byproducts:** Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
- **Hazardous Polymerization:** May Occur
- **Conditions to Avoid: N/A**

---

H.M.I.S. Rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
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<td>Reactivity</td>
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<td>Protective Equip.</td>
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---

Material Safety Data Sheet

May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200.

Standard must be consulted for specific requirements.
SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes  Skin Contact? No  Ingestion? Yes  Eye Contact? Yes

Health Hazards (Acute and Chronic):
(Acute): Dizziness, weakness, nausea, headache.
(Chronic): Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No

Signs and Symptoms of Exposure:
Inhalation: Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
Ingestion: Can cause nausea, vomiting, diarrhea.
Skin: Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
Eye: Irritation from vapor or liquid.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:
Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
Ingestion: If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
Skin Contact: Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
Eye Contact: Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

Waste Disposal Method: Dispose of in accordance with Local, State, and Federal regulations.

Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.

Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

Ventilation: Local Exhaust: Yes  Special: N/A
Mechanical (General): N/A  Other: N/A

Protective Gloves: Yes  Eye Protection: Yes

Other Protective Clothing or Equipment: A rubber apron is recommended to protect clothing from splash during application.

Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
H.M.I.S. Rating

<table>
<thead>
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<th>Category</th>
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<tr>
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<tr>
<td>Reactivity</td>
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<tr>
<td>Protective Equipment</td>
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</tr>
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</table>

Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet

May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

ColorPave HD Tint – Olivestone

Product No. S2245

SECTION  I  - Manufacturer / Product Information

Manufacturer's Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio  44870
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: August 10, 2004

SECTION  II  - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m3</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
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<td></td>
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</table>

SECTION  III  - Physical / Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Nearly equal to water.</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.88</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Approximately 1.8</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Easily dispersible in the liquid state.</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Gray-green liquid, mild odor.</td>
</tr>
</tbody>
</table>

SECTION  IV  - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL: N/A</td>
<td>UEL: N/A</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Foam, CO2, dry chemical, water fog, other.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SECTION  V  - Reactivity Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability: Unstable</td>
<td>Stable: X</td>
</tr>
<tr>
<td>Conditions to Avoid: Keep from freezing and extreme heat.</td>
<td></td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid): Strong oxidizers.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Polymerization: May Occur:</td>
<td>Will Not Occur: X</td>
</tr>
<tr>
<td>Conditions to Avoid: N/A</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION VI - Health Hazard Data

**Route(s) of Entry:**
- Inhalation? Yes
- Skin Contact? No
- Ingestion? Yes
- Eye Contact? Yes

**Health Hazards (Acute and Chronic):**

*Acute*: Dizziness, weakness, nausea, headache.

*Chronic*: Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**

- **Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
- **Ingestion:** Can cause nausea, vomiting, diarrhea.
- **Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
- **Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**

- **Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
- **Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
- **Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
- **Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- **Local Exhaust:** Yes
- **Mechanical (General):** N/A
- **Special:** N/A

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.
Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet

May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

ColorPave HD Tint – Sahara Beige

SECTION I - Manufacturer / Product Information

Manufacturer’s Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100°C Celsius (212°F Fahrenheit)
Vapor Pressure (mm Hg): Nearly equal to water.
Vapor Density (AIR = 1): <1
Solubility in Water: Easily dispersible in the liquid state.
Appearance and Odor: Beige liquid, mild odor.
Specific Gravity (H2O = 1): 1.86
Melting Point: N/A
Evaporation Rate (Butyl Acetate = 1): Approximately 1.8

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): N/A
Flammable Limits: N/A
LEL: N/A
UEL: N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data

Stability: Unstable
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: May Occur
Will Not Occur: X
Conditions to Avoid: N/A
SECTION VI - Health Hazard Data

Route(s) of Entry: Inhalation? Yes  Skin Contact? No  Ingestion? Yes  Eye Contact? Yes

Health Hazards (Acute and Chronic):

(Acute): Dizziness, weakness, nausea, headache.

(Chronic): Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No

Signs and Symptoms of Exposure:

Inhalation: Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.

Ingestion: Can cause nausea, vomiting, diarrhea.

Skin: Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.

Eye: Irritation from vapor or liquid.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:

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SECTION VII - Precautions for Safe Handling and Use

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Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.

Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

Ventilation: Local Exhaust: Yes  Special: N/A

Mechanical (General): N/A  Other: N/A

Protective Gloves: Yes  Eye Protection: Yes

Other Protective Clothing or Equipment: A rubber apron is recommended to protect clothing from splash during application.

Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

SECTION IX - Disclaimer

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Material Safety Data Sheet – OSHA 174

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Manufacturer's Name: ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870

Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
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<th>ACGIH_TLV</th>
<th>Other Limits</th>
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<tbody>
<tr>
<td>Titanium Dioxide</td>
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<td>15 mg/m3</td>
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<td></td>
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<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
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SECTION III - Physical / Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Nearly equal to water</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1):</td>
<td>&lt;1</td>
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<tr>
<td>Specific Gravity (H2O = 1):</td>
<td>1.89</td>
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<td>Melting Point</td>
<td>N/A</td>
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<td>Evaporation Rate (Butyl Acetate = 1):</td>
<td>Approximately 1.8</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Easily dispersible in the liquid state.</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Gray liquid, mild odor.</td>
</tr>
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SECTION IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Flash Point (Method Used):</td>
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</tr>
<tr>
<td>Flammable Limits:</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL:</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL:</td>
<td>N/A</td>
</tr>
<tr>
<td>Extinguishing Media:</td>
<td>Foam, CO2, dry chemical, water fog, other.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>N/A</td>
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SECTION V - Reactivity Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Stability:</td>
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<tr>
<td>Conditions to Avoid:</td>
<td>Keep from freezing and extreme heat.</td>
</tr>
<tr>
<td>Incompatibility (Materials to Avoid):</td>
<td>Strong oxidizers.</td>
</tr>
<tr>
<td>Hazardous Decomposition or Byproducts:</td>
<td>Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>May Occur: X</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

ColorPave HD Tint – Slate Gray

Product No. S2210
**SECTION VI - Health Hazard Data**

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Yes</th>
<th>Skin Contact?</th>
<th>No</th>
<th>Ingestion?</th>
<th>Yes</th>
<th>Eye Contact?</th>
<th>Yes</th>
</tr>
</thead>
</table>

**Health Hazards (Acute and Chronic):**

**(Acute):** Dizziness, weakness, nausea, headache.

**(Chronic):** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**

**Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.

**Ingestion:** Can cause nausea, vomiting, diarrhea.

**Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.

**Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**

**Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.

**Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.

**Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

**SECTION VII - Precautions for Safe Handling and Use**

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diatomaceous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

**SECTION VIII - Control Measures**

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

**Ventilation:**
- Local Exhaust: Yes
- Special: N/A
- Mechanical (General): N/A
- Other: N/A

**Protective Gloves:** Yes

**Eye Protection:** Yes

**Other Protective Clothing or Equipment:** A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices:** Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

**SECTION IX - Disclaimer**

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Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet
May be used to comply with OSHA’s Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor
Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072

ColorPave HD Tint – Terra Cotta
Product No. S2235

SECTION I - Manufacturer / Product Information
Manufacturer's Name: ThorWorks Industries, Inc.
Emergency Telephone No.: Chemtrec: 1-800-424-9300
Address: 2520 South Campbell Street
Telephone Number for Information: 1-800-326-1994
Sandusky, Ohio 44870
Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>OSHA_PEL</th>
<th>ACGIH_TLV</th>
<th>Other Limits</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide</td>
<td>1332-37-2</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical / Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point: 100°C Celsius (212°F Fahrenheit)</th>
<th>Specific Gravity (H2O = 1): 1.87</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg): Nearly equal to water.</td>
<td>Melting Point: N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1): &lt;1</td>
<td>Evaporation Rate (Butyl Acetate = 1): Approximately 1.8</td>
</tr>
</tbody>
</table>

SECTION IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used): N/A</th>
<th>Flammable Limits: N/A</th>
<th>LEL: N/A</th>
<th>UEL: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media: Foam, CO2, dry chemical, water fog, other.</td>
<td>Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards: N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability: Unstable</th>
<th>Stable: X</th>
<th>Conditions to Avoid: Keep from freezing and extreme heat.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibility (Materials to Avoid): Strong oxidizers.</td>
<td>Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.</td>
<td></td>
</tr>
<tr>
<td>Hazardous Polymerization: May Occur: Will Not Occur: X</td>
<td>Conditions to Avoid: N/A</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Inhalation?</th>
<th>Yes</th>
<th>Skin Contact?</th>
<th>No</th>
<th>Ingestion?</th>
<th>Yes</th>
<th>Eye Contact?</th>
<th>Yes</th>
</tr>
</thead>
</table>

**Health Hazards (Acute and Chronic):**

**Acute:** Dizziness, weakness, nausea, headache.

**Chronic:** Gastrointestinal irritation – prolonged or repeated exposure to high vapor concentrations may cause damage to kidneys, liver, lungs, blood, or central nervous system. Repeated ingestion may cause liver damage.

**Carcinogenicity:**
- NTP? No
- IARC Monographs? No
- OSHA Regulated? No

**Signs and Symptoms of Exposure:**
- **Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.
- **Ingestion:** Can cause nausea, vomiting, diarrhea.
- **Skin:** Not easily absorbed – prolonged or repeated exposure may be mildly irritating to the skin. May cause allergic skin reactions in some people.
- **Eye:** Irritation from vapor or liquid.

**Medical Conditions Generally Aggravated by Exposure:** None known.

**Emergency and First Aid Procedures:**
- **Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.
- **Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
- **Skin Contact:** Wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.
- **Eye Contact:** Gently flush with large amounts water for at least 15 minutes or until eye is clear. IMMEDIATELY CALL A PHYSICIAN.

### SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and contain spill with inert material (sand, sawdust, diamateous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50°C.

**Other Precautions:** Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

### SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Local Exhaust:</th>
<th>Yes</th>
<th>Special:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical (General):</td>
<td>N/A</td>
<td>Other:</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**Protective Gloves**: Yes

**Eye Protection**: Yes

**Other Protective Clothing or Equipment**: A rubber apron is recommended to protect clothing from splash during application.

**Work/Hygienic Practices**: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

### SECTION IX - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.