



H.M.I.S. RATING	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Dove Gray

Product No. S2265

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

Ingredient	CAS #	OSHA_PEL	ACGIH_TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
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	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: Stable: 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, 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 **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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

Material Safety Data Sheet – OSHA 174

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US Department of Labor

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

ColorPave HD Tint – Light Green

Product No. S2255

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

Ingredient	CAS #	OSHA_PEL	ACGIH_TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
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 **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:** **Stable:** 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, 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 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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H.M.I.S. RATING	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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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

Ingredient	CAS #	OSHA_PEL	ACGIH_TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
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	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: Stable: 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, 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 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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H.M.I.S. RATING	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

Material Safety Data Sheet – OSHA 174

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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.	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: November 10, 2009

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA_PEL	ACGIH_TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit) **Specific Gravity (H2O = 1):** 1.86
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: Beige 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:** **Stable:** 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, 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 **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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Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

Material Safety Data Sheet – OSHA 174

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US Department of Labor

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

ColorPave HD Tint – Brickyard Red

Product No. S2215

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
Solubility in Water: Easily dispersible in the liquid state.	
Appearance and Odor: Red 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: Stable: 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, 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 **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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H.M.I.S. RATING	
Health	1
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Reactivity	0
Protective Equip.	E

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US Department of Labor

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

ColorPave HD Tint – Brownstone

Product No. S2225

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° 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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Burnt Sienna

Product No. S2230

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit)	Specific Gravity (H2O = 1): 1.89
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: Red-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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Forest Green

Product No. S2240

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Chromic Oxide	1308-38-9	0.5 mg/m3	0.5 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit)	Specific Gravity (H2O = 1): 1.94
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: 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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Graystone

Product No. S2205

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
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	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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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.	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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

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
Solubility in Water: Easily dispersible in the liquid state.	
Appearance and Odor: Gray-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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Sahara Beige

Product No. S2220

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit)	Specific Gravity (H2O = 1): 1.86
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: Beige 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: Stable: 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, 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 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	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 – Slate Gray

Product No. S2210

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: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Titanium Dioxide	13463-67-7	15 mg/m3	10 mg/m3		
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit)	Specific Gravity (H2O = 1): 1.89
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

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: Stable: 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, 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 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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H.M.I.S. RATING	
Health	1
Flammability	0
Reactivity	0
Protective Equip.	E

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 Sandusky, Ohio 44870	Telephone Number for Information: 1-800-326-1994
	Date Prepared: August 10, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Iron Oxide	1332-37-2	10 mg/m3	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° 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: Red-orange 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: Stable: 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

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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.

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