| 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

# Ready Mix Color – Blue – With Sand

**Product No. C1210**

## 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

| Ingredient | CAS # | OSHA_PEL | ACGIH_TLV | Other Limits | Percent |
|---|---|---|---|---|---|
| Titanium Dioxide | 13463-67-7 | 15 mg/m3 | 10 mg/m3 | | |
| Silicon Dioxide | 14808-60-7 | 0.1 mg/m3 | 0.1 mg/m3 | | |
| Ethylene Glycol | 107-21-1 | 100 mg/m3 | 100 mg/m3 | | |
| Texanol | 25265-77-4 | N/A | N/A | | |
| Fibers | 9004-34-6 | 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):** 1.33
**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:** Blue 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.