

# Material Safety Data Sheet

Poly Wall PRO 1000 and Poly Wall PRO 1000 with ProBan®

## 1. Product and company identification

|                              |   |
|------------------------------|---|
| <b>Product name</b>          | : Poly Wall PRO 1000 and Poly Wall PRO 1000 with ProBan®  |
| <b>Trade name</b>            | : Poly Wall PRO 1000 and Poly Wall PRO 1000 with ProBan®  |
| <b>Material uses</b>         | : Not available.  |
| <b>Supplier/Manufacturer</b> | : Polyguard Products, Inc.<br>3801 South Interstate 45<br>Ennis, TX 75119<br>Tel: (800)541-4994 |
| <b>MSDS authored by</b>      | : KMK Regulatory Services Inc.  |
| <b>In case of emergency</b>  | : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887                                |
| <b>Product type</b>          | : Liquid.   |

## 2. Hazards identification

### Emergency overview

|                               |  |
|-------------------------------|--|
| <b>Physical state</b>         | : Liquid.  |
| <b>Color</b>                  | : Grey to black.   |
| <b>Odor</b>                   | : Aliphatic-Aromatic   |
| <b>Signal word</b>            | : WARNING!   |
| <b>Hazard statements</b>      | : FLAMMABLE LIQUID AND VAPOR. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. POSSIBLE DEVELOPMENTAL HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE ADVERSE DEVELOPMENTAL EFFECTS, BASED ON ANIMAL DATA. |
| <b>Precautionary measures</b> | : Keep away from heat, sparks and flame. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Avoid exposure during pregnancy. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.                   |
| <b>OSHA/HCS status</b>        | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |

### Potential acute health effects

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | : Irritating to respiratory system.                 |
| <b>Ingestion</b>  | : No known significant effects or critical hazards. |
| <b>Skin</b>       | : Harmful in contact with skin. Irritating to skin. |
| <b>Eyes</b>       | : Irritating to eyes.                               |

### Potential chronic health effects

|                              |  |
|------------------------------|--|
| <b>Chronic effects</b>       | : Contains material that can cause target organ damage.  |
| <b>Carcinogenicity</b>       | : Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.  |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.  |
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards.  |
| <b>Developmental effects</b> | : Contains material which may cause developmental abnormalities, based on animal data.   |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards.  |
| <b>Target organs</b>         | : Contains material which causes damage to the following organs: eye, lens or cornea. Contains material which may cause damage to the following organs: blood, kidneys, lungs, the reproductive system, liver, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, central nervous system (CNS). |

## 2. Hazards identification

### Over-exposure signs/symptoms

- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
reduced fetal weight  
increase in fetal deaths
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths
- Skin** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths
- Eyes** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness  
reduced fetal weight  
increase in fetal deaths
- Medical conditions aggravated by over-exposure** : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

## 3. Composition/information on ingredients

### United States

| Name  | CAS number | %       |
|---|------------|---------|
| Xylene  | 1330-20-7  | 30 - 60 |
| Talc (Non-respirable)                         | 14807-96-6 | 10 - 30 |
| Benzene, ethenyl-, polymer with 1,3-butadiene | 9003-55-8  | 10 - 30 |
| Ethylbenzene                                  | 100-41-4   | 5 - 10  |
| Titanium oxide (Non-respirable)               | 13463-67-7 | 1 - 5   |
| Bis(2-ethylhexyl) phthalate                   | 117-81-7   | 1 - 5   |
| Quartz (Non-respirable)                       | 14808-60-7 | 0.1 - 1 |

### Canada

| Name                            | CAS number | %       |
|---------------------------------|------------|---------|
| Xylene                          | 1330-20-7  | 30 - 60 |
| Talc (Non-respirable)           | 14807-96-6 | 10 - 30 |
| Ethylbenzene                    | 100-41-4   | 5 - 10  |
| Titanium oxide (Non-respirable) | 13463-67-7 | 1 - 5   |
| Bis(2-ethylhexyl) phthalate     | 117-81-7   | 1 - 5   |
| Quartz (Non-respirable)         | 14808-60-7 | 0.1 - 1 |

Not available.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. First aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.
- Inhalation** : Move exposed person to fresh air. Get medical attention if symptoms occur.

## 4. First aid measures

- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
- Protection of first-aiders** : Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- Notes to physician** : No specific treatment. Treat symptomatically.

## 5. Fire-fighting measures

- Flammability of the product** : Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

### Extinguishing media

- Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

- Small spill** : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid exposure during pregnancy. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Keep away from heat, sparks and flame.

## 7. Handling and storage

### Storage

- : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### United States

| Ingredient                  | Exposure limits  |
|-----------------------------|--|
| Xylene                      | <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           STEL: 651 mg/m<sup>3</sup> 15 minute(s).<br/>           STEL: 150 ppm 15 minute(s).<br/>           TWA: 434 mg/m<sup>3</sup> 8 hour(s).<br/>           TWA: 100 ppm 8 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b><br/>           TWA: 435 mg/m<sup>3</sup> 8 hour(s).<br/>           TWA: 100 ppm 8 hour(s).</p>  |
| Talc                        | <p><b>NIOSH REL (United States, 6/2009).</b><br/>           TWA: 2 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction</p> <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           TWA: 0.1 f/cc 8 hour(s).</p> <p><b>OSHA PEL Z3 (United States, 9/2005).</b><br/>           STEL: 1 f/cc 30 minute(s). Form: not containing asbestos<br/>           TWA: 20 mppcf 8 hour(s). Form: not containing asbestos<br/>           TWA: 0.1 f/cc 8 hour(s).<br/>           STEL: 1 f/cc 30 minute(s).</p>                      |
| Ethylbenzene                | <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           STEL: 125 ppm 15 minute(s).<br/>           TWA: 100 ppm 8 hour(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b><br/>           STEL: 545 mg/m<sup>3</sup> 15 minute(s).<br/>           STEL: 125 ppm 15 minute(s).<br/>           TWA: 435 mg/m<sup>3</sup> 10 hour(s).<br/>           TWA: 100 ppm 10 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b><br/>           TWA: 435 mg/m<sup>3</sup> 8 hour(s).<br/>           TWA: 100 ppm 8 hour(s).</p> |
| Titanium oxide              | <p><b>OSHA PEL (United States, 6/2010).</b><br/>           TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p> <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           TWA: 10 mg/m<sup>3</sup> 8 hour(s).</p>  |
| Bis(2-ethylhexyl) phthalate | <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           TWA: 5 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b><br/>           STEL: 10 mg/m<sup>3</sup> 15 minute(s).<br/>           TWA: 5 mg/m<sup>3</sup> 10 hour(s).</p> <p><b>OSHA PEL (United States, 6/2010).</b><br/>           TWA: 5 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b><br/>           STEL: 10 mg/m<sup>3</sup> 15 minute(s).<br/>           TWA: 5 mg/m<sup>3</sup> 8 hour(s).</p>  |
| Quartz                      | <p><b>OSHA PEL Z3 (United States, 9/2005).</b><br/>           TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Respirable<br/>           TWA: 250 mppcf 8 hour(s). Form: Respirable<br/>           TWA: 30 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p> <p><b>NIOSH REL (United States, 6/2009).</b><br/>           TWA: 0.05 mg/m<sup>3</sup> 10 hour(s). Form: Respirable dust</p> <p><b>ACGIH TLV (United States, 2/2010).</b><br/>           TWA: 0.025 mg/m<sup>3</sup> 8 hour(s). Form: Respirable fraction</p>             |

## 8. Exposure controls/personal protection

### Canada

| <u>Occupational exposure limits</u> |                  | <u>TWA (8 hours)</u> |                         |              | <u>STEL (15 mins)</u> |                         |              | <u>Ceiling</u> |                         |              |                  |
|-------------------------------------|------------------|----------------------|-------------------------|--------------|-----------------------|-------------------------|--------------|----------------|-------------------------|--------------|------------------|
| <u>Ingredient</u>                   | <u>List name</u> | <u>ppm</u>           | <u>mg/m<sup>3</sup></u> | <u>Other</u> | <u>ppm</u>            | <u>mg/m<sup>3</sup></u> | <u>Other</u> | <u>ppm</u>     | <u>mg/m<sup>3</sup></u> | <u>Other</u> | <u>Notations</u> |
| Xylene                              | US ACGIH 2/2010  | 100                  | 434                     | -            | 150                   | 651                     | -            | -              | -                       | -            |                  |
|                                     | AB 4/2009        | 100                  | 434                     | -            | 150                   | 651                     | -            | -              | -                       | -            |                  |
|                                     | BC 9/2010        | 100                  | -                       | -            | 150                   | -                       | -            | -              | -                       | -            |                  |
|                                     | ON 7/2010        | 100                  | 434                     | -            | 150                   | 651                     | -            | -              | -                       | -            |                  |
|                                     | QC 6/2008        | 100                  | 434                     | -            | 150                   | 651                     | -            | -              | -                       | -            |                  |
| Talc                                | US ACGIH 2/2010  | -                    | -                       | 0.1 f/cc     | -                     | -                       | -            | -              | -                       | -            |                  |
|                                     | BC 9/2010        | -                    | 2                       | -            | -                     | -                       | -            | -              | -                       | -            | [a]              |
|                                     | ON 7/2010        | -                    | 2                       | 0.1 f/cc     | -                     | -                       | -            | -              | -                       | -            | [b]              |
|                                     | QC 6/2008        | -                    | 2                       | 2 f/cc       | -                     | -                       | -            | -              | -                       | -            | [c]              |
|                                     | QC 6/2008        | -                    | 3                       | -            | -                     | -                       | -            | -              | -                       | -            | [c]              |
| Ethylbenzene                        | US ACGIH 2/2010  | 100                  | -                       | -            | 125                   | -                       | -            | -              | -                       | -            |                  |
|                                     | AB 4/2009        | 100                  | 434                     | -            | 125                   | 543                     | -            | -              | -                       | -            |                  |
|                                     | BC 9/2010        | 100                  | -                       | -            | 125                   | -                       | -            | -              | -                       | -            |                  |
|                                     | ON 7/2010        | 100                  | -                       | -            | 125                   | -                       | -            | -              | -                       | -            |                  |
|                                     | QC 6/2008        | 100                  | 434                     | -            | 125                   | 543                     | -            | -              | -                       | -            |                  |
| Bis(2-ethylhexyl) phthalate         | US ACGIH 2/2010  | -                    | 5                       | -            | -                     | -                       | -            | -              | -                       | -            |                  |
|                                     | AB 4/2009        | -                    | 5                       | -            | -                     | -                       | -            | -              | -                       | -            | [3]              |
|                                     | BC 9/2010        | -                    | 5                       | -            | -                     | -                       | -            | -              | -                       | -            |                  |
|                                     | ON 7/2010        | -                    | 3                       | -            | 5                     | -                       | -            | -              | -                       | -            |                  |
|                                     | QC 6/2008        | -                    | 5                       | -            | 10                    | -                       | -            | -              | -                       | -            |                  |
| Titanium oxide                      | US ACGIH 2/2010  | -                    | 10                      | -            | -                     | -                       | -            | -              | -                       | -            | [3]              |
|                                     | AB 4/2009        | -                    | 10                      | -            | -                     | -                       | -            | -              | -                       | -            | [c]              |
|                                     | BC 9/2010        | -                    | 3                       | -            | -                     | -                       | -            | -              | -                       | -            | [d]              |
|                                     | ON 7/2010        | -                    | 10                      | -            | -                     | -                       | -            | -              | -                       | -            | [d]              |
|                                     | QC 6/2008        | -                    | 10                      | -            | -                     | -                       | -            | -              | -                       | -            | [d]              |
| Quartz                              | US ACGIH 2/2010  | -                    | 0.025                   | -            | -                     | -                       | -            | -              | -                       | -            | [b]              |
|                                     | AB 4/2009        | -                    | 0.025                   | -            | -                     | -                       | -            | -              | -                       | -            | [e]              |
|                                     | BC 9/2010        | -                    | 0.025                   | -            | -                     | -                       | -            | -              | -                       | -            | [a]              |
|                                     | ON 7/2010        | -                    | 0.1                     | -            | -                     | -                       | -            | -              | -                       | -            | [b]              |
|                                     | QC 6/2008        | -                    | 0.1                     | -            | -                     | -                       | -            | -              | -                       | -            | [c]              |

[3]Skin sensitization

Form: [a]Respirable. [b]Respirable fraction [c]Respirable dust [d]Total dust [e]Respirable particulate.

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

**Hygiene measures** : Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

### Personal protection

#### **Respiratory**

: Not required under normal conditions of use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure a MSHA/NIOSH-approved respirator or equivalent is used.

#### **Hands**

: Use gloves appropriate for work or task being performed. Recommended: Natural rubber (latex).

#### **Eyes**

: Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields.

#### **Skin**

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Lab coat.

#### **Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## 9. Physical and chemical properties

|                                   |   |
|-----------------------------------|---|
| <b>Physical state</b>             | : Liquid.   |
| <b>Flash point</b>                | : Closed cup: 27°C (80.6°F) [Setaflash.]                          |
| <b>Flammable limits</b>           | : Lower: 1%<br>Upper: 7%  |
| <b>Color</b>                      | : Grey to black.  |
| <b>Odor</b>                       | : Aliphatic-Aromatic  |
| <b>Boiling/condensation point</b> | : 139 to 141°C (282.2 to 285.8°F)                                 |
| <b>Relative density</b>           | : 1.07  |
| <b>Vapor density</b>              | : >1 [Air = 1]  |
| <b>Volatility</b>                 | : 68.65% (v/v)  |
| <b>Solubility</b>                 | : Insoluble in the following materials: cold water and hot water. |
| <b>VOC content</b>                | : 0.65 % (w/w)  |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. |
| <b>Incompatible materials</b>             | : Reactive or incompatible with the following materials: oxidizing materials and acids.  |
| <b>Hazardous decomposition products</b>   | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.  |

## 11. Toxicological information

### Acute toxicity

| Product/ingredient name     | Result               | Species | Dose        | Exposure |
|-----------------------------|----------------------|---------|-------------|----------|
| Xylene                      | LC50 Inhalation Gas. | Rat     | 5000 ppm    | 4 hours  |
|                             | LD50 Dermal          | Rabbit  | >1700 mg/kg | -        |
|                             | LD50 Oral            | Rat     | 4300 mg/kg  | -        |
| Ethylbenzene                | LD50 Dermal          | Rabbit  | >5000 mg/kg | -        |
|                             | LD50 Oral            | Rat     | 3500 mg/kg  | -        |
|                             | LD50 Dermal          | Rabbit  | 25 g/kg     | -        |
| Bis(2-ethylhexyl) phthalate | LD50 Oral            | Rat     | 30 g/kg     | -        |

### Irritation/Corrosion

| Product/ingredient name     | Result                 | Species | Score | Exposure | Observation |
|-----------------------------|------------------------|---------|-------|----------|-------------|
| Ethylbenzene                | Eyes - Severe irritant | Rabbit  | -     | -        | -           |
|                             | Skin - Mild irritant   | Rabbit  | -     | -        | -           |
| Bis(2-ethylhexyl) phthalate | Eyes - Mild irritant   | Rabbit  | -     | -        | -           |
|                             | Skin - Mild irritant   | Rabbit  | -     | -        | -           |

### Carcinogenicity

#### Classification

| Product/ingredient name                       | ACGIH | IARC | EPA | NIOSH | NTP      | OSHA |
|---|-------|------|-----|-------|----------|------|
| Xylene  | A4    | 3    | -   | -     | -        | -    |
| Talc  | A4    | 1    | -   | None. | -        | -    |
| Benzene, ethenyl-, polymer with 1,3-butadiene | -     | 3    | -   | None. | -        | -    |
| Ethylbenzene                                  | A3    | 2B   | -   | None. | -        | -    |
| Titanium oxide                                | A4    | 2B   | -   | None. | -        | -    |
| Bis(2-ethylhexyl) phthalate                   | A3    | 3    | -   | +     | Possible | -    |
| Quartz  | A2    | 2A   | -   | +     | Proven.  | -    |

## 11. Toxicological information

**IDLH** : Not available.

**Synergistic products** : Not available.

## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic ecotoxicity

| Product/ingredient name     | Result                                   | Species  | Exposure |
|-----------------------------|--|--|----------|
| Xylene                      | Acute IC50 10 mg/L                       | Algae  | 72 hours |
|                             | Acute LC50 8500 ug/L Marine water        | Crustaceans - Palaemonetes pugio   | 48 hours |
| Ethylbenzene                | Acute LC50 3300 to 4093 ug/L Fresh water | Fish - Oncorhynchus mykiss - 0.6 g   | 96 hours |
|                             | Acute EC50 4600 ug/L Fresh water         | Algae - Pseudokirchneriella subcapitata  | 72 hours |
|                             | Acute EC50 3600 ug/L Fresh water         | Algae - Pseudokirchneriella subcapitata  | 96 hours |
|                             | Acute EC50 2970 ug/L Fresh water         | Daphnia - Daphnia magna - Neonate - <=24 hours                                       | 48 hours |
| Bis(2-ethylhexyl) phthalate | Acute LC50 >5200 ug/L Marine water       | Crustaceans - Americamysis bahia - <24 hours   | 48 hours |
|                             | Acute LC50 4200 ug/L Fresh water         | Fish - Oncorhynchus mykiss   | 96 hours |
|                             | Chronic NOEC 6800 ug/L Fresh water       | Daphnia - Daphnia magna - <=24 hours   | 48 hours |
|                             | Chronic NOEC 3300 ug/L Marine water      | Fish - Menidia menidia   | 96 hours |
|                             | Acute EC50 >100 ug/L Fresh water         | Algae - Pseudokirchneriella subcapitata  | 96 hours |
|                             | Acute EC50 133 ug/L Fresh water          | Daphnia - Daphnia pulex - Neonate - <24 hours  | 48 hours |
| Titanium oxide              | Acute LC50 >160 ug/L Fresh water         | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 29 to 40 mm | 96 hours |
|                             | Chronic NOEC <1 mg/L Fresh water         | Daphnia - Daphnia magna - <24 hours  | 48 hours |
|                             | Chronic NOEC >300 ug/L Fresh water       | Fish - Gasterosteus aculeatus - 4 to 5 weeks   | 96 hours |
|                             | Acute EC50 5.83 mg/L Fresh water         | Algae - Pseudokirchneriella subcapitata - Exponential growth phase                   | 72 hours |
|                             | Acute LC50 5.5 ppm Fresh water           | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) - <24 hours      | 48 hours |
|                             | Acute LC50 >1000000 ug/L Marine water    | Fish - Fundulus heteroclitus   | 96 hours |
|                             | Chronic NOEC 1 ppm Fresh water           | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) - <24 hours      | 48 hours |

## 13. Disposal considerations





**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14. Transport information

### International transport regulations

| Regulatory information    | UN number | Proper shipping name                   | Classes | PG* | Label   | Additional information |
|---------------------------|-----------|--|---------|-----|---|------------------------|
| <b>DOT Classification</b> | UN1866    | RESIN SOLUTION,<br>Flammable. (Xylene) | 3       | III |  | -                      |
| <b>TDG Classification</b> | UN1866    | RESIN SOLUTION,<br>Flammable. (Xylene) | 3       | III |  | -                      |
| <b>IMDG Class</b>         | UN1866    | RESIN SOLUTION,<br>Flammable. (Xylene) | 3       | III |  | -                      |
| <b>IATA-DGR Class</b>     | UN1866    | RESIN SOLUTION,<br>Flammable. (Xylene) | 3       | III |  | -                      |

PG\* : Packing group

Exemption to the above classification may apply.

**AERG** : Not available.

## 15. Regulatory information

### United States

**HCS Classification** : Flammable liquid  
Irritating material  
Carcinogen  
Target organ effects

**U.S. Federal regulations** : **TSCA 8(a) IUR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** Not determined.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** Xylene; Ethylbenzene; Benzene, ethenyl-, polymer with 1,3-butadiene; Titanium oxide; Bis(2-ethylhexyl) phthalate; Talc

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**

Xylene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;  
Ethylbenzene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;  
Benzene, ethenyl-, polymer with 1,3-butadiene: Immediate (acute) health hazard;  
Titanium oxide: Delayed (chronic) health hazard; Bis(2-ethylhexyl) phthalate: Immediate (acute) health hazard, Delayed (chronic) health hazard; Talc: Immediate (acute) health hazard

**Clean Water Act (CWA) 307:** Ethylbenzene; Bis(2-ethylhexyl) phthalate

**Clean Water Act (CWA) 311:** Xylene; Ethylbenzene

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed



## 15. Regulatory information

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 313

|  | Product name  | CAS number                        | Concentration              |
|--|---|-----------------------------------|----------------------------|
| <b>Form R - Reporting requirements</b> | Xylene<br>Ethylbenzene<br>Bis(2-ethylhexyl) phthalate | 1330-20-7<br>100-41-4<br>117-81-7 | 30 - 60<br>5 - 10<br>1 - 5 |
| <b>Supplier notification</b>           | Xylene<br>Ethylbenzene<br>Bis(2-ethylhexyl) phthalate | 1330-20-7<br>100-41-4<br>117-81-7 | 30 - 60<br>5 - 10<br>1 - 5 |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: Xylene; Ethylbenzene; Talc; Bis(2-ethylhexyl) phthalate; Titanium oxide
- New York** : The following components are listed: Xylene; Ethylbenzene; Bis(2-ethylhexyl) phthalate
- New Jersey** : The following components are listed: Xylene; Ethylbenzene; Talc; Quartz; Bis(2-ethylhexyl) phthalate; Titanium oxide
- Pennsylvania** : The following components are listed: Xylene; Ethylbenzene; Talc; Quartz; Bis(2-ethylhexyl) phthalate; Titanium oxide

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

| Ingredient name             | Cancer | Reproductive | No significant risk level                       | Maximum acceptable dosage level |
|-----------------------------|--------|--------------|---|---------------------------------|
| Ethylbenzene                | Yes.   | No.          | 41 µg/day (ingestion)<br>54 µg/day (inhalation) | No.                             |
| Bis(2-ethylhexyl) phthalate | Yes.   | Yes.         | Yes.  | 410 µg/day (ingestion)          |
| Quartz                      | Yes.   | No.          | No.   | No.                             |
| Carbon black                | Yes.   | No.          | No.   | No.                             |

### Canada

- WHMIS (Canada)** : Class B-2: Flammable liquid  
Class D-2A: Material causing other toxic effects (Very toxic).  
Class D-2B: Material causing other toxic effects (Toxic).

### Canadian lists

- Canadian NPRI** : The following components are listed: Xylene; Ethylbenzene; Bis(2-ethylhexyl) phthalate
- CEPA Toxic substances** : The following components are listed: Bis(2-ethylhexyl)phthalate
- Canada inventory** : Not determined.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### International regulations

- International lists** :
- Australia inventory (AICS):** Not determined.
  - China inventory (IECSC):** All components are listed or exempted.
  - Japan inventory:** Not determined.
  - Korea inventory:** All components are listed or exempted.
  - New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
  - Philippines inventory (PICCS):** All components are listed or exempted.

## 16. Other information

**Label requirements** : FLAMMABLE LIQUID AND VAPOR. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. POSSIBLE DEVELOPMENTAL HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE ADVERSE DEVELOPMENTAL EFFECTS, BASED ON ANIMAL DATA.

**Hazardous Material Information System (U.S.A.)** : **Health** : 2 \* **Flammability** : 3 **Physical hazards** : 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** : **Health** : 2 **Flammability** : 3 **Instability** : 0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Canada

**WHMIS (Canada)** :



### History

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**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



Dr. Luc Séguin, PhD chemist, 25 years as a professional in regulatory compliance

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