



# Safety Data Sheet

## SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** Polybrite 76 Base Coat

**Recommended Use:** Base Coat

**Restriction on Use:** None

**Manufacturer:**

Polyglass U.S.A. Inc.  
1111 West Newport Center Drive  
Deerfield Beach, Florida 33442  
866-222-9782

SDS Date of Preparation: 06/12/14

Emergency Contact: (800) 424-9300 CHEMTREC (USA)

## SECTION 2: HAZARDS IDENTIFICATION

**Hazard Classification:**

Physical	Health
Not Hazardous	Not Hazardous

Label Elements:

This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard (29CFR 1910.1200).

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Calcium Carbonate	1317-65-3	20-50
Titanium Dioxide	13463-67-7	1-5
Zinc Oxide	1314-13-2	1-5
Crystalline Silica, Quartz	14808-60-7	0.1-1

**Note:** The crystalline silica and titanium dioxide in this product are inextricably bound so no exposure will occur and the carcinogen classification does not apply

**The exact percentage (concentration) of composition has been withheld as a trade secret.**

## SECTION 4 FIRST AID MEASURERS

**Eyes:** Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.

**Inhalation:** If symptoms develop, move to fresh air. If symptoms persist, get medical attention.



## Safety Data Sheet

**Ingestion:** If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. If large amount is swallowed or gastrointestinal effects develop, get medical attention.

**Most important symptoms/effects, acute and delayed:** Causes mild eye irritation. Prolonged contact may cause skin irritation and dryness. Inhalation of vapors or mists may cause respiratory irritation. Ingestion may cause nausea, vomiting and diarrhea.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not normally required.

### SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses.

**Specific Hazards Arising from the Chemical:** This product is an aqueous mixture that will not burn until all water has evaporated. Residue will burn after the fire has evaporated. Combustion products may include oxides of carbon and zinc.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear appropriate protective clothing to avoid eye and skin contact.

**Methods and Materials for Containment and Cleaning Up:** Dike the spilled material. Attempt to reclaim the free product, if this is possible. Place in an appropriate container for use or disposal. Collect residue with inert material and place into a closable container for disposal. Wash spill area. Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

### SECTION 7 HANDLING and STORAGE

**Precautions for Safe Handling:** Avoid contact with the eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated area. Protect from physical damage. Keep container closed when not in use

### SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

#### Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Calcium Carbonate	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust)
Titanium Dioxide	15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 10 mg/m <sup>3</sup> TWA ACGIH TLV

## Safety Data Sheet

Zinc Oxide	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) 15 mg/m <sup>3</sup> TWA OSHA PEL (total dust) 2 mg/m <sup>3</sup> TWA ACGIH TLV, 10 mg/m <sup>3</sup> STEL (respirable)
Crystalline Silica, Quartz	10 mg/m <sup>3</sup> TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m <sup>3</sup> TWA ACGIH TLV (respirable fraction)

**Appropriate Engineering Controls:** No special controls usually required. Use with adequate ventilation to minimize exposures levels.

**Respiratory Protection:** If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Gloves:** Rubber or other impervious gloves are recommended to prevent prolonged skin contact.

**Eye Protection:** Chemical safety goggles should be worn if splashing is possible.

**Other Protective Equipment:** Impervious clothing as needed to avoid prolonged skin contact.

### SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

**Appearance And Odor:** Light blue liquid with a paint-like odor.

<b>Boiling Point (@ 760 mmHg):</b> 212°F (100°C)	<b>Freezing Point:</b> Not available
<b>Odor Threshold:</b> Not determined	<b>Viscosity:</b> Not determined
<b>Relative density (H<sub>2</sub>O=1):</b> 1.20-1.38	<b>Vapor Pressure:</b> 760 mmHg@212 F
<b>VOC:</b> <50 g/L (<0.42lbs.gal)	<b>Vapor Density (AIR=1):</b> >1
<b>Evaporation Rate:</b> Not available	<b>Solubility In Water:</b> Dispersible
<b>pH:</b> Not available	<b>Partition Coefficient n-Octanol/Water:</b> Not available
<b>Flash Point:</b> >212°F (>100°C) Setaflash	<b>Autoignition Temperature:</b> Not applicable
<b>Decomposition Temperature:</b> Not determined	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammable Limits: (vol % in air)</b>	<b>LEL –</b> Not applicable <b>UEL –</b> Not applicable

### SECTION 10 STABILITY and REACTIVITY

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions

**Possibility of Hazardous Reactions:** None known

**Conditions to avoid:** None known.

**Incompatible materials:** Avoid oxidizing agents and acids

**Hazardous decomposition products:** Thermal decomposition may yield oxides of carbon and zinc.

### SECTION 11 TOXICOLOGICAL INFORMATION

**Eye:** Contact may cause irritation with redness and tearing

**Skin:** Prolonged skin contact may cause irritation and drying of the skin.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Sensitization:** This product is not expected to cause sensitization.

**Chronic Effects:** This product contains a very small amount of naturally occurring crystalline silica. Repeated inhalation of large amounts of silica dust over an extended period of time may result in a progressive, disabling disease, silicosis. However, the crystalline silica in this product is in liquid base and dust exposure would not be expected.

**Carcinogenicity:** Titanium dioxide is listed by IARC as "Possibly Carcinogenic to Humans", Group 2B. Respirable crystalline silica is classified as a Group 1 carcinogen by IARC, and "Known to be a Human Carcinogen" by NTP. However, the crystalline



## Safety Data Sheet

silica and titanium dioxide in this product are bound in the polymer matrix and dust exposure would not be expected. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

### Numerical Measures of Toxicity:

Calcium Carbonate: Oral rat LD50: 6450mg/kg

Titanium Dioxide: Oral rat LD50: >5000 mg/kg

Zinc Oxide: Oral rat LD 50 >5 g/kg, Inhalation mouse LC50 >5.7 mg/L/4 hr.

Crystalline Silica: Oral rat LD50: >10,000 mg/kg; Inhalation rat LC50: >0.139 mg/l/4h; Skin rabbit LD50: >5000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Zinc oxide is classified as very toxic to aquatic organisms. LC50 zebra fish 1.8 mg/L/96 hr; IC50 algae 0.136 mg/L

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose in accordance with all local, state and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

**Proper Shipping Name:** Not Regulated

**UN Number:** None

**Hazard Class/Packing Group:** None

**Labels Required:** None

**Environmental hazards:** None known

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable

**Special precautions:** None known

## SECTION 15: REGULATORY INFORMATION

**SARA Hazard Category (311/312):** Not Hazardous

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:

Zinc Oxide (as Zinc Compounds) 1- 5 %

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer or reproductive toxicity.

**WHMIS Classification:** Class D Division 2 Subdivision B (Toxic Material Causing other Toxic Effects)

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.



## Safety Data Sheet

### SECTION 16: OTHER INFORMATION

<b>NFPA Rating:</b>	Health = 1	Fire = 0	Instability = 0
<b>HMIS Rating:</b>	Health = 1	Fire = 0	Physical Hazard = 0

**SDS Date of Preparation:** 06/12/14

**Revision Summary:** Change in format and content – Hazcom 2012, Changes to all Sections.

### NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Polyglass U.S.A. Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.