Material Safety Data Sheet

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Polybrite 74 Rust Inhibitor

Manufacturer:
Polyglass U.S.A. Inc.
1111 West Newport Center Drive
Deerfield Beach, Florida 33442

MSDS Date of Preparation: 01/04/12

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

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!
May cause eye and skin irritation. Prolonged skin contact may cause irritation or drying of the skin. Mists may cause mucous membrane and upper respiratory tract irritation. This product contains a small amount of naturally occurring crystalline silica quartz. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#.	WT.%
Calcium Carbonate	1317-65-3	10-20
Amorphous Silicon Dioxide	7631-86-9	1-10
Calcium Hydroxide	1305-62-0	1-10
Zinc Oxide	1314-13-2	1-5
Titanium Dioxide	13463-67-7	1-5
Crystalline Silica, Quartz	14808-60-7	0.1-1

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 rash or irritation develops, get medical attention. Launder clothing before re-use. (Discard contaminated shoes).

Inhalation: If symptoms develop, remove victim to fresh air. If symptoms develop, get medical attention.

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.
Special Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses.
Unusual Fire And Explosion Hazards: None known.

Hazardous Combustion Products: Combustion products may include oxides of carbon and zinc.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to Be Taken In Case Material Is Released or Spilled: Wear appropriate protective clothing to prevent eye and skin contact. Collect spilled material with inert material and place into a closable container for disposal. 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

Handling: Avoid contact with the eyes, skin and clothing. 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 MSDS precautions when handling empty containers.

Storage: 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/m3 TWA OSHA PEL (respirable fraction) 15 mg/m3 TWA OSHA PEL (total dust)
Amorphous Silicon Dioxide	5 mg/m3 TWA OSHA PEL (respirable fraction) 15 mg/m3 TWA OSHA PEL (total dust)
Calcium Hydroxide	5 mg/m3 TWA OSHA PEL (respirable fraction) 15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA ACGIH TLV
Titanium Dioxide	15 mg/m3 TWA OSHA PEL (total dust) 10 mg/m3 TWA ACGIH TLV
Zinc Oxide	5 mg/m3 TWA OSHA PEL (respirable fraction) 15 mg/m3 TWA OSHA PEL (total dust) 2 mg/m3 TWA ACGIH TLV, 10 mg/m3 STEL (respirable)
Crystalline Silica, Quartz	$\frac{10\ mg/m^3}{\%\ Silica + 2}$ TWA OSHA PEL (respirable fraction) 0.025 mg/m3 TWA ACGIH TLV (respirable fraction)

Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.
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 prevent contact. For operations where contact can occur, a safety shower and an eye wash facility should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

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

Boiling Point (@ 760 mmHg): 212°F (100°C)	**Freezing Point:** Not available
Specific Gravity (H2O=1): 1.32	**Vapor Pressure:** 760 mmHg @ 212°F
VOC: <50 g/L (<0.42 lbs/gal)	**Vapor Density (AIR=1):** >1
Evaporation Rate: Not available	**Solubility In Water:** Dispersible
pH: Not available	**Coefficient Of Water/Oil:** Not available
Flash Point: >212°F (>100°C) Setaflash	**Autoignition Temperature:** Not applicable
Flammable Limits: (vol % in air) **LEL –** N/A	**UEL –** N/A

SECTION 10 STABILITY and REACTIVITY

Stability: Stable under normal storage and handling conditions.
Incompatibility: Avoid oxidizing agents and acids
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon and zinc.
Hazardous Polymerization: Will not occur.

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 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/Carcinogenicity: Titanium dioxide is listed by IARC as “Possibly Carcinogenic to Humans”, Group 2B. This product contains a very small amount of naturally occurring crystalline silica. Respirable crystalline silica is classified as a Group 1 carcinogen by IARC, and “Known to be a Human Carcinogen” by NTP. Repeated inhalation of large amounts of silica dust over an extended period of time may result in a progressive, disabling disease, silicosis. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.
Mutagenicity: No data available.
Medical Conditions Aggravated By Exposure: Employees with pre-existing skin, liver and kidney disease may be at increased risk from exposure.

Acute Toxicity Values:
Calcium Carbonate: No toxicity data available
Titanium Dioxide: No toxicity data available
Calcium Hydroxide: Oral rat LC50 7,340 mg/kg
Amorphous Silicon Dioxide: No toxicity data available
Zinc Oxide: Oral rat LC50>5 g/kg, Inhalation mouse LC50 >5.7 mg/L/4 hr

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available for this product at this time. Avoid release to the environment.

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

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Classification: Irritant, Carcinogen

SARA Hazard Category (311/312): Acute Health, Chronic Health

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 A (Very Toxic Material Causing other Toxic Effects)

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

SECTION 16: OTHER INFORMATION

NFPA Rating:	Health = 1	Fire = 0	Instability = 0
HMIS Rating:	Health = 1*	Fire = 0	Reactivity = 0

Revision Summary: Change in format, Changes to all sections.

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