



Safety Data Sheet

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Polybrite 90 High Solids Silicone Roof Coating

Recommended Use: Silicone Roof Coating

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: 02/28/14

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

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous

Label Elements:

Not Hazardous in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS)

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Crystalline Silica, quartz	14808-60-7	30-35%

The crystalline silica in this product is inextricably bound in the polymer matrix. No exposure occurs during normal use or in an emergency.

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

SECTION 4 FIRST AID MEASURERS

Eyes: Flush with large quantities of water, holding the eyelids apart. Get medical attention if irritation develops.

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 irritation persists or breathing is difficult, get medical attention.

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: May cause mechanical eye irritation. Prolonged skin contact may cause irritation.

Indication of immediate medical attention and special treatment, if necessary: None expected under normal conditions of use. If large amounts are swallowed, get medical attention.

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SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water, carbon dioxide, dry chemical or foam to extinguish fire. Do not use a water jet. 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.

Specific Hazards Arising from the Chemical: The product is not flammable or combustible but may burn under fire conditions. Combustion products include carbon and nitrogen oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and Materials for Containment and Cleaning Up: Dike the spilled material. Attempt to reclaim the free product, if this is possible. Collect with an inert material and place into a closable container for disposal. Wash spill area with soap and water.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing aerosols, mists and heated vapors. 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 cool, well-ventilated area. Store in a tightly closed container. Avoid storing above 100°F. Keep in original container.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Crystalline Silica, Quartz	10 mg/m ³ TWA OSHA PEL (respirable fraction)
	% Silica + 2 0.025 mg/m ³ TWA ACGIH TLV (respirable fraction)

Appropriate Engineering Controls: No special controls usually required. If the exposures are excessive, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Respiratory Protection: None normally required. If the exposures the product is heated or sprayed, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Impervious gloves are recommended to prevent prolonged skin contact.

Eye Protection: Chemical safety goggles recommended if contact is possible.

Other Protective Equipment: Impervious clothing as needed to prevent contact.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

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Appearance And Odor: Colored viscous liquid with a slight sweet odor.

Boiling Point (@ 760 mmHg): 310-385°F / 154.4-196.1°C	Freezing Point: Not available
Odor Threshold: Not available	Viscosity: Not available
Relative density (H2O=1): 1.3	Vapor Pressure: Not available
VOC: <50 g/L	Vapor Density (AIR=1): >1
Evaporation Rate: Slower than ether	Solubility In Water: Negligible
pH: Not available	Partition Coefficient n-Octanol/Water: Not determined
Flash Point: >290°F / >143.3°C COC	Autoignition Temperature: Not available
Decomposition Temperature: Not available	Flammability (solid, gas): Not applicable
Flammable Limits: (vol % in air)	LEL – N/A UEL – N/A

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: Excessive heat.

Incompatible materials: Avoid strong oxidizing agents, acids, halogens and molten sulfur.

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and nitrogen and hydrocarbons.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Contact may cause mechanical irritation with redness, pain and tearing.

Skin: Prolonged skin contact may cause irritation with redness, itching and pain.

Inhalation Excessive inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation.

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

Sensitization: None of the components have been shown to cause sensitization in animals or humans.

Chronic Effects: None known.

Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. The crystalline silica, quartz is inextricably bound and no exposure occurs during use. 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:

Crystalline Silica, Quartz: Oral rat LD50 >22,500 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Crystalline Silica: 72 hr LC50 carp >10,000 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances such as crystalline silica, quartz.

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

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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 – product is transported only in packaged form.

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: None

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 the following chemical known to the State of California to cause cancer or reproductive toxicity: none – crystalline silica, quartz is inextricably bound

WHMIS Classification: Not a controlled product

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.

SECTION 16: OTHER INFORMATION

NFPA Rating:	Health = 1	Fire = 0	Instability = 0
HMIS Rating:	Health = 1	Fire = 0	Physical Hazard = 0

SDS Date of Preparation: 02/28/14

Revision Summary: New SDS.

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