

# PREFORM SHOWER PANS PREFORMED UNDERLAYMENT COMPONENTS

## MATERIAL SAFETY DATA SHEET

The PreForm Shower Pan is composite of 2lb density EPS expanded polystyrene foam insulation, as a base material, and Util-A-Crete® Concrete Backer Board walls. The entire assembly is lined with fiberglass mesh and coated with WaterArmor waterproof membrane. A finish coat of latex-modified, cementitious coating is then applied. This MSDS will be treated as a four-part document covering: (A) the expanded polystyrene foam thermal insulation; (B) the concrete backer board; (C) the fiberglass mesh; and (D) the waterproof coating.

### (A) DuraCore® EXPANDED POLYSTYRENE THERMAL INSULATION

**1. Product and Company Identification:**

*Product Name:* DuraCore OEM EPS  
*Manufacturer:* Plymouth Foam, Plymouth, WI 53073 (800)669-1176  
 Emergency Contact: (920)893-0535

**2. Composition/Information on Ingredients:**

	TLV	PEL	CAS
Chemical Name		CAS Number	
Polystyrene .....		009003-53-6	
Flame Retardant Additive			

This document was prepared pursuant to the OSHA hazard communication standard (29 CFR 1910.1200). In addition, other substances not hazardous per this OSHA standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard. This part of the document has been taken from MSDS information supplied to us from THE MANUFACTURER.

**3. Physical and Chemical Properties:**

Boiling Point .....	Not Applicable
Melting Point .....	Softens at 175 °F to 220 °F
Percent Volatiles.....	<4% (pentane and water)
Vapor Pressure.....	Not Applicable
Vapor Density .....	Not Applicable
Evaporation Rate .....	None
Solubility in water .....	Insoluble
Specific Gravity/Density.....	2.0 pcf to 3.0 pcf
Appearance .....	White Panels
Odor .....	Slight Hydrocarbon Odor
pH.....	Not Applicable
Physical State.....	Solid

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Flash Point .....610° F Min.  
Method Used .....ASTM D 1929  
Flammable Limits LFL .....Not Applicable  
Flammable Limits UFL .....Not Applicable  
Extinguishing Media .....Water Fog, Carbon Dioxide, Dry  
Chemical, Foam

*Hazardous Combustion Products:* Not Applicable

*Fire-fighting Instructions:* Keep people away. Isolate fire area and deny unnecessary entry. If material is molten, do not apply direct water stream. Use fine water spray or foam. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.

*Protective Fire-fighting Equipment:* Use approved self-contained breathing apparatus and personal protective clothing (turn out gear)

5. **Reactivity Data:**

*Stability:* This is a stable material, avoid sources of ignition

*Incompatibility with Other Materials:* Reactive with oxidizing agents. Organic solvents, esters, amines and aldehydes will dissolve product. High temperature, poor ventilation with freshly expanded product may create hazardous, explosive or fire conditions.

*Hazardous Decomposition Products:* Does not normally decompose. Evolution of small amounts of hydrogen halides occurs when heated above 250°C. Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons such as styrene and ethylbenzene are generated. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include and are not limited to ethylbenzene, aromatic compounds, aldehydes, hydrogen bromide, hydrogen chloride, hydrogen fluoride, polymer fragments, and styrene.

*Hazardous Polymerization:* Will not occur

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**6. Health Hazard Data:**

*Eye:* Dust particles may cause eye irritation and/or injury

*Skin Contact:* None. May produce slight irritation in a few individuals

*Ingestion:* Biologically inert. May act as an obstruction if swallowed.

*Inhalation:* Little or no smell. May cause dizziness in a few individuals.

*Systemic (Other Target Organ) Effects:* None.

*Cancer Information:* None.

*Teratology (Birth Defects):* None.

*Reproductive Effects:* None.

**7. First Aid:**

*Eyes:* Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

*Skin:* Wash with mild soap and running water. Remove and launder contaminated clothing before reuse. Seek medical attention if irritation persists.

*Ingestion:* Ingestion of this material is unlikely. If it does occur, do not induce vomiting, seek medical attention.

*Inhalation:* Move person to fresh air. Seek medical attention if irritation persists

*Note to Physician:*

**8. Handling and Storage:**

*Handling:* Use protective equipment (gloves, safety glasses, etc.) when handling uncontained material. Avoid breathing dusts from this material.

*Storage:* Store in a well ventilated area. Avoid direct exposure to very high heat, open flame or other source of ignition.

**9. Accidental Release Measures:** (See Section NUM for Regulatory Information)

*Protect People:* Clear non-emergency personnel from area. Use appropriate safety equipment. For additional information, refer to Section 10, Exposure Controls/Personal Protection.

*Protect the Environment:* Fire/water run off may be toxic.

*Cleanup:* Pick up, or if dust or in small pieces, sweep up and place in suitable container for disposal. See Section 11, Disposal Considerations.

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**10. Exposure Controls/Personal Protection:**

*Engineering Controls:* Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

*Respiratory Protection:* Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, including but not limited to saw, router, or hot wire cutting, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.

*Skin Protection:* No precaution other than clean body-covering clothing should be needed.

*Eye Protection:* Use Safety Glasses. If there is a potential for exposure to particles, which could cause mechanical injury to the eye, wear chemical goggles.

**11. Ecological Information:**

*Ecotoxicity:* This product has not been tested. Based on information related to all raw materials in the finished product, it is not expected to harm the ecosystem through its applied use.

**12. Disposal Considerations:** (See Section NUM for Regulatory Information)

*Disposal:*

*For unused & uncontaminated product,*

For additional information, refer to Section NUM, Handling & Storage Information.

THE MANUFACTURER can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage PRODUCT TYPES. Call MANUFACTURER at PHONE for further details.

**13. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the D.O.T. when shipped domestically by land.

*Canadian TDG Information:* This product is not regulated by the T.D.G. when shipped domestically by land.

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**14. Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

*NOTICE:* The information contained herein is based on data considered to be accurate. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State/Provincial, and local laws. While the information is believed to be reliable, NO Warranty, expressed or implied, is given in regards to the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

*U.S. Regulations*

*SARA 313 Information:* This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Chlorodifluoroethane	000075-00-3	< 15%

*SARA Hazard Category:* This product has been reviewed according to the EPA "Hazard Categories" promulgated under sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA, Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category.

*State Right-to-Know:* The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>List</u>
Chlorodifluoroethane	000075-00-3	NJ2 PA1 NJ3
Talc	014807-96-6	PA1 NJ3

NJ2=New Jersey Environmental Hazardous Substance (present at greater than or equal to 1.0%)

NJ3=New Jersey Workplace Hazardous Substance (present at greater than or equal to 1.0%)

PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%)

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*OSHA Hazard Communication Standard:* This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### *Canadian Regulations*

*WHMIS Information:* The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This Product is not a "Controlled Product" under WHMIS.

*Canadian Environmental Protection Act (CEPA):* All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

### 15. **Other Information:**

#### *National Fire Protection Association (NFPA) Ratings:*

Health.....0  
Flammability.....2  
Reactivity.....0

#### *HMIS Ratings:*

Health.....0  
Flammability.....2  
Reactivity.....0

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## (B) UTIL-A-CRETE® CONCRETE BACKERBOARD

### 1. Product and Company Identification:

*Product Name:* Util-A-Crete® Concrete Backer Board

*Manufacturer:* Fin Pan, Inc., Hamilton, Ohio 45015

*Emergency Contact:* 800-833-6444

### 2. Composition/Information on Ingredients:

<u>Chemical Name</u>	<u>WT%</u>	<u>TLV (mg/m<sup>3</sup>)</u>	<u>PEL (mg/m<sup>3</sup>)</u>	<u>CAS Number</u>
Expanded Clay Aggregate	30-55	(NE)	(NE)	(NE)
Portland Cement	25-35	10	5 (R)/15 (T)	65997-15-1
Crystalline Silica	<0.3	0.1	10 (R)/30 (T)	14808-60-7
Fly Ash	20-30	(NE)	(NE)	(NE)
Potable Water	10-15	(NE)	(NE)	7732-18-5
Fiberglass Mesh	<1	(NE)	(NE)	65997-17-3
(T) - Total (R) - Respirable		(NE) - Not Established	(P) - Proprietary	

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### 3. Physical and Chemical Properties:

Boiling Point .....Not Applicable  
 Melting Point .....Not Applicable  
 Percent Volatile.....Not Applicable  
 Vapor Pressure.....Not Applicable  
 Vapor Density .....Not Applicable  
 Evaporation Rate .....Not Applicable  
 Solubility in water .....Insoluble  
 Specific Gravity/Density.....Not Applicable  
 Appearance.....Hard Gray Board  
 Odor .....Slight Cement Odor  
 Physical State.....Solid

### 4. Fire and Explosion Hazard Data:

Flash Point .....Not Applicable  
 Flammable Limits LFL.....None  
 Flammable Limits UFL .....None  
 Extinguishing Media .....Water Spray, Dry Chemical, or Carbon Dioxide

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**4. Fire and Explosion Hazard Data (continued):**

*Hazardous Combustion Products:* None known.

*Fire-fighting Instructions:* Use appropriate extinguishing media for surrounding fire.

*Protective Fire-fighting Equipment:* No special equipment is necessary.

**5. Reactivity Data:**

*Stability:* Thermally stable at typical use temperatures.

*Incompatibility with Other Materials:* Avoid contact with strong acids.

*Hazardous Decomposition Products:* Gases from strong acid degradation.

*Hazardous Polymerization:* Will not occur.

**6. Health Hazard Data:**

*Eye:* Due to alkali in the cement, contact with eyes will cause irritation and possible corrosion damage, burning and corneal edema. Particles will also cause mechanical irritation.

*Skin Contact:* Abrasion and skin irritation may occur due to alkali in the cement.

*Ingestion:* If ingested, caustic burns may occur in the mouth, esophagus or stomach. May be corrosive to the digestive tract.

*Inhalation:* Excessive exposure to dust may result in irritation of nose, throat and lungs.

*Systemic (Other Target Organ) Effects:* None known.

*Cancer Information:* Chronic exposure to dust containing silica (Quartz Crystobalite and Tridymite) can cause delayed lung injury (Silicosis) or cancer. Inhalation of Crystalline Silica may contribute to pre-existing pulmonary diseases, such as asthma and lung disorders associated with the smoking of tobacco.

*Teratology (Birth Defects):* None known.

*Reproductive Effects:* None known.

**7. First Aid:**

*Eyes:* Immediately flush eye, including under lids, thoroughly with water for 15 minutes to remove all particles. If irritation persists, consult physician.

*Skin:* Wash thoroughly with soap and water. If irritation remains, seek medical attention. If cement penetrates the clothing, promptly remove the clothing and wash skin. Wash clothing before wearing again.

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*Ingestion:* Seek medical attention immediately. The use of diluents is controversial and neutralization is contraindicated.

*Inhalation:* Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside.

**8. Handling and Storage:**

*Handling:* Maintain good housekeeping.

*Storage:* Keep clean, dry and flat.

**9. Accidental Release Measures:**

*Containment Procedures:* Due to the physical nature of this product, spills are not possible.

*Evacuation Procedures:* None.

*Cleanup Procedures:* Normal clean up methods.

*Special Procedures:* None.

**10. Exposure Controls/Personal Protection:**

*Respiratory Protection:* If product is cut with a power saw, the saw must be equipped with a dust collector and wear a NIOSH/MSHA-approved respirator if the dust level in the work area is above the TLV or PEL. Provide general mechanical ventilation and local exhaust to meet TLV requirements. Hand score and snap to avoid creating excess dust.

*Skin Protection:* Wear gloves and work clothing or apron.

*Eye Protection:* Wear safety glasses or goggles with shields while cutting. Contact lenses should not be worn when working with Portland cement.

**11. Toxicological Information:**

*Mutagenicity:* None known.

**12. Ecological Information:**

*Movement & Partitioning:* No bioconcentration is expected.

*Degradation & Persistence:* No appreciable biodegradation or photodegradation is expected.

*Ecotoxicity:* When handled and disposed of properly, this product does not present an environmental threat.

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**13. Disposal Considerations:**

*Disposal:* Dispose of waste in accordance with Federal, State and Local regulations.

*For unused & uncontaminated product,* pickup and reuse clean material.

**14. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the DOT when shipped domestically by land.

*Canadian TDG Information:* This product is not regulated by the TDG when shipped domestically by land.

**15. Regulatory Information:** (Not meant to be all-inclusive)

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**16. Other Information:**

*National Fire Protection Association (NFPA) Ratings:*

Health..... 1  
 Flammability..... 0  
 Reactivity..... 0

*HMIS Ratings:*

Health..... 1  
 Flammability..... 0  
 Reactivity..... 0  
 Personal Protection..... 0

0 = Minimal Hazard  
 3 = Serious Hazard

1 = Slight Hazard  
 4 = Severe Hazard

2 = Moderate Hazard

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## (C) PHIFERGLASS WALLBOARD FABRIC (FIBERGLASS YARN)

### 1. Product and Company Identification:

*Product Name:* Phiferglass Wallboard Fabric

*Manufacturer:* Phifer Wire Products, Inc., Tuscaloosa, AL 35403 (800-633-5955)

*Emergency Contact:* 205-345-2120

### 2. Composition/Information on Ingredients:

<u>Chemical Name</u>	<u>WT%</u>	<u>TLV (mg/m<sup>3</sup>)</u>	<u>PEL (mg/m<sup>3</sup>)</u>	<u>CAS Number</u>
Fiberglass core Yarn	28-35	(NR)	(NR)	65997-17-3
Vinyl Coating	(P)	(NE)	(NE)	(P)
(T) - Total	(NR) - No Restriction	(NE) - Not Established	(P) - Proprietary	

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### 3. Physical and Chemical Properties:

Boiling Point .....	Not Applicable
Freezing Point .....	Not Applicable
Percent Volatiles.....	Not Applicable
Vapor Pressure.....	Not Available
Vapor Density .....	Not Available
Packing Density .....	Not Applicable
Evaporation Rate .....	Not Applicable
Solubility in water .....	Insoluble
Specific Gravity/Density.....	Not Available
Appearance.....	Vinyl-coated Mesh
Odor .....	New Vinyl
pH.....	Not Applicable
Physical State.....	Solid

### 4. Fire and Explosion Hazard Data:

Flash Point .....	>200°F
Flammable Limits LFL.....	Not Applicable
Flammable Limits UFL .....	Not Applicable
Extinguishing Media .....	Foam, Dry Chemical, Carbon Dioxide, Water Fog
<i>Hazardous Combustion Products:</i> Smoke and fumes.	

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**4. Fire and Explosion Hazard Data (continued):**

*Fire-fighting Instructions:* Material will not burn in the absence of an independent flame source.

*Protective Fire-fighting Equipment:* Wear respirator or air mask for enclosed areas.

**5. Reactivity Data:**

*Stability:* This product is stable.

*Incompatibility with Other Materials:* Strong oxidizing agents.

*Hazardous Decomposition Products:* None.

*Hazardous Polymerization:* Will not occur.

**6. Health Hazard Data:**

*Overview:* Multifilament yarn coated with vinyl of various colors. Coated yarn may be woven into various meshes and have an odor of new vinyl.

*Eye:* No evidence of harmful effects anticipated from available information.

*Skin Contact:* Fibers in core yarn may irritate skin.

*Ingestion:* Consult physician.

*Inhalation:* Short-term harmful health effects are not expected from vapor generated during normal use with adequate ventilation at ambient temperature.

*Systemic (Other Target Organ) Effects:* No data available.

*Cancer Information:* No data available.

*Teratology (Birth Defects):* No data available.

*Reproductive Effects:* No data available.

**7. First Aid:**

*Eyes:* Flush eye with plenty of flowing water (eye fountain).

*Skin:* Frequent rinsing of skin surfaces with water to remove accumulated fibers will minimize irritation. If pain, allergy or reaction persists, get medical attention.

*Ingestion:* No emergency care anticipated. Get medical attention if necessary.

*Inhalation:* Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.

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**8. Handling and Storage:**

*Handling:* Keep material clean and dry and away from heat.

*Storage:* Store at an ambient temperature under normal atmospheric pressure.

**9. Accidental Release Measures:** (See Section 15 for Regulatory Information)

*Containment Procedures:* Due to the physical nature of this product, spills are not possible.

*Evacuation Procedures:* None.

*Cleanup Procedures:* Normal clean up methods.

*Special Procedures:* None.

**10. Exposure Controls/Personal Protection:**

*Engineering Controls:* General (mechanical) room ventilation is expected to be satisfactory.

*Respiratory Protection:* Generally not required.

*Skin Protection:* Generally not required.

*Eye Protection:* Generally not required.

**11. Toxicological Information:**

*Mutagenicity:* Toxicological data is not available.

**12. Ecological Information:**

*Movement & Partitioning:* No data available.

*Degradation & Persistence:* No data available.

*Ecotoxicity:* No data available.

**13. Disposal Considerations:** (See Section 15 for Regulatory Information)

*Disposal:* If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As non-hazardous waste it should be disposed of in accordance with local, state and federal regulations.

For additional information, refer to Section 8, Handling & Storage Information.

**14. Transportation Information:**

*Department of Transportation (DOT):* This product is not regulated by the DOT when shipped domestically by land.

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**15. Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

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*U.S. Regulations:*

*Sara Title III (Superfund Amendments and Reauthorization Act):*

*313/312 Hazard Categories:* None.

*313 Reportable Ingredients:* None.

*TSCA (Toxic Substance Control Act):* Components of this product are listed on the TSCA Inventory List.

*CERCLA (Comprehensive Response Compensation and Liability Act):* Not reportable.

**16. Other Information:**

*National Fire Protection Association (NFPA) Ratings:*

Health.....Not Available

Flammability.....Not Available

Reactivity.....Not Available

*HMIS Ratings:*

Health.....Not Available

Flammability.....Not Available

Reactivity.....Not Available

Personal Protection.....Not Available

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## (D) WATERARMOR WATERPROOF MEMBRANE

### 1. Product and Company Identification:

*Product Name:* WaterArmor  
*Company:* T. Clear Corporation, 3255 Symmes Road, Hamilton, Ohio 45015  
 Emergency Contact: (800) 544-7398

### 2. Composition/Information on Ingredients:

Chemical Name	WT%	TLV (mg/m <sup>3</sup> )	PEL (mg/m <sup>3</sup> )	CAS Number	STEL	CEIL
Silica, Crystalline Quartz	15.00 - 40.00	0.05	0.1	14808-60-7	(NE)	(NE)

(T) - Total      (R) - Respirable      (NE) - Not Established      (P) - Proprietary

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### 3. Physical and Chemical Properties:

Boiling Point..... No data available  
 Melting Point..... No data available  
 Freeze Point ..... No data available  
 Vapor Pressure ..... No data available  
 Vapor Density ..... Heavier than air  
 Partition coefficient (n-octanol/water) ..... No data available  
 Evaporation Rate..... Slower than Butyl acetate  
 Solubility in water..... Dilutable  
 Specific Gravity/Density ..... 1.5  
 Viscosity..... No data available  
 Odor ..... Mild acrylic  
 Odor Threshold..... No data available  
 pH..... 9-10  
 Physical State..... Liquid  
 VOC Concentration as applied: ..... 11 g/l  
 (less than water and exempt solvents)

### 4. Fire and Explosion Hazard Data:

Flash Point..... >200.01°F (93.34°C)  
 Flammable Limits LFL..... No data available  
 Flammable Limits UFL..... No data available

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Extinguishing Media..... Water fog, foam, carbon dioxide (CO2), dry chemical

*Hazardous Combustion Products:* No data available.

*Fire-fighting Instructions:* Suitable extinguishing methods include water fog, foam, carbon dioxide (CO2), and dry chemical.

*Protective Fire-fighting Equipment:* As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

### 5. **Reactivity Data:**

*Stability:* Stable under recommended storage conditions.

Conditions To Avoid - No data available.

Materials to Avoid - Strong acids and strong bases.

*Hazardous Decomposition Products:* No data available.

*Hazardous Polymerization:* Will not occur under normal conditions.

### 6. **Health Hazard Data:**

*Eye:* Can cause slight irritation.

*Skin Contact:* Can cause slight irritation.

*Ingestion:* Can cause slight irritation.

*Inhalation:* Can cause slight irritation.

*Systemic (Other Target Organ) Effects:* No data available

*Cancer Information:* This product contains Crystalline (quartz) Silica, which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) Silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of this product.

<u>Carcinogenicity</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Silica, Crystalline Quartz	Suspected human carcinogen	Human carcinogen	(NE)	(NE)

*Teratology (Birth Defects):* No data available.

*Reproductive Effects:* No data available.

### 7. **First Aid:**

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*Eyes:* Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

*Skin:* Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

*Ingestion:* Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

*Inhalation:* Remove victim from exposure. If there is difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

### 8. **Handling and Storage:**

*Handling:* Keep out of reach of children. For personal protection see section 10.

*Storage:* Keep tightly closed.

### 9. **Accidental Release Measures:** (See Section 15 for Regulatory Information)

*Containment Procedures:* Take action to eliminate source of leak; contain spill by diking.

*Cleanup Procedures:* Wear appropriate protective equipment (refer to section 10). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

*Special Procedures:* None known.

### 10. **Exposure Controls/Personal Protection:**

*Engineering Controls:* Local exhaust ventilation can be necessary to control any air contaminants to within their TLV's during the use of this product.

*Respiratory Protection:* In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

*Skin Protection:* Wear as appropriate: impervious clothing, preventive skin protection and/or impervious gloves.

*Eye Protection:* Wear as appropriate: safety glasses with side-shields, goggles and/or face shield.

*Hygienic Practices:* Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end

# PREFORM SHOWER PANS PREFORMED UNDERLAYMENT COMPONENTS

## MATERIAL SAFETY DATA SHEET

of the workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

### 11. Toxicological Information:

#### Acute inhalation toxicity

Component	Exposure	Type	Value	Species	Time
	<i>Product</i>		LC50	No data available	
Silica, Crystalline Quartz		LC50	No data available		

#### Acute oral toxicity

Component	Type	Value	Exposure	Time
			Species	
<i>Product</i>	LD50 (Oral)	No data available		
Silica, Crystalline Quartz	LD50 (Oral)	1,300 mg/kg		

#### Acute dermal toxicity

Component	Type	Value	Exposure	Time
			Species	
<i>Product</i>	LD50 (Dermal)	No data available		
Silica, Crystalline Quartz	LD50 (Dermal)	No data available		

### 12. Ecological Information:

*Movement & Partitioning:* No data available.

*Degradation & Persistence:* No data available.

*Ecotoxicity:* There is no data available for this product.

### 13. Disposal Considerations: (See Section 15 for Regulatory Information)

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*Disposal:* Handle disposal of waste material in a manner, which complies with local, state, province and federal regulations.

*For unused & uncontaminated product,* use excess product in an alternate beneficial application.

For additional information, refer to Section 8, Handling & Storage Information.

Degussa Wall Systems can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage SEALGUARD. Call Degussa Wall Systems at (800) 424-9300 for further details.

### 14. **Transportation Information:**

*Department of Transportation (DOT):* Proper shipping name - Not regulated.

*International Air Transport Association (IATA):* Proper shipping name - Not regulated.

### 15. **Regulatory Information:** (Not meant to be all-inclusive - selected regulations represented)

**NOTICE:** The information contained herein is based on data considered to be accurate. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State/Provincial, and local laws. While the information is believed to be reliable, NO Warranty, expressed or implied, is given in regards to the accuracy of this data or the results to be obtained from the use thereof. Since the use of this information and the conditions and use of this product are controlled by the user, it is the user's obligation to determine the conditions of safe use of the product. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

**SARA 311/312 (RTK):** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions to meet the following categories:  
 IMMEDIATE (ACUTE) HEALTH HAZARD

**SARA 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<b>Chemical Name</b>	<b>WT%</b>	<b>CAS Number</b>
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This product contains no chemical subject for the SARA 313 supplier notification requirements.

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**CERCLA:** CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product:

<b>Chemical Name</b>	<b>RQ</b>	<b>CAS Number</b>
NO CERCLA chemicals exist in this product above reportable concentrations.		

**TSCA Section 12(b) Export Notification:** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b), if exported from the United States:

<b>Chemical Name</b>	<b>CAS Number</b>
Benzyl Chloride	100-44-7

**California Proposition 65:** The chemical(s) below, and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at <0.1%:

<b>Chemical Name</b>	<b>CAS Number</b>
Silica, Crystalline Quartz	14808-60-7
Carbon Black	1333-86-4
Benzyl Chloride	100-44-7
Ethylene Oxide	75-21-8
Benzene	71-43-2
Toluene	108-88-3
Mercury	7439-97-6
Inorganic Lead	7439-92-1
Arsenic	7440-38-2
4-Vinylcyclohexene	100-40-3
1,3-Butadiene	106-99-0
Ethyl Benzene	100-41-4

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**16. Other Information:**

*HMIS Ratings:*

Health .....	1*
Flammability .....	1
Physical Hazard .....	0

*WHMIS Class:* D2B