



Innovative Composite Solutions

**Section I**

Neptune Research 1346 South Killian Drive Lake Park, Florida 33403	Emergency Telephone Number – 800-535-5053 Telephone Number for Information – 800-328-0090 / 561-683-6992
Product Name – Solar Wrap	Date Prepared – 3.9.11

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s) CAS#)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Unsaturated Polyester Base Resin	N/A	N/A	N/A	18-20
Styrene (100-42-5)	50 ppm TWA	50 ppm	N/A	9-13

**Section III—Physical/Chemical Characteristics**

Vapor Pressure (mm Hg) – 4.3 mmHg	Specific Gravity (H20 = 1) – 1.12	Vapor Density (AIR = 1) – 3.6
Evaporation Rate (Butyl Acetate– N/A)- Slower than Ether	Ether – N/A	Boiling Point – 293°F
Solubility in Water: Insoluble		Melting Point – N/A
Appearance and Odor – Fiberglass tape with light amber color and strong aromatic odor		

**Section IV—Fire and Explosion Hazard Data**

Flash Point – 88°F	Flammable Limits – 1.1-6.1%	LEL - N/A	UEL - N/A
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Extinguishing Media: Regular foam or carbon dioxide or dry chemical

Special Fire Fighting Procedures: Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Wear self contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode when fighting fires.

**Section V—Reactivity Data**

Stability: Stable under normal conditions  
 Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, and organic acids.  
 Incompatibility (Materials to Avoid): Strong alkalis, strong mineral acids, and oxidizing agents.  
 Hazardous Polymerization: Can occur  
 Conditions to Avoid: Never use welding or cutting torch on or near because product can ignite explosively.

**Section VI—Health Hazard Data**

Route(s) of Entry: Skin contact and inhalation  
 Acute Skin Contact: Exposure may cause skin irritation and sensitization. Prolonged or repeated contact can cause moderate irritation, defatting, or dermatitis.  
 Chronic Skin Contact: Not applicable  
 Acute Eye Contact: May cause severe eye irritation, redness, tearing, or blurred vision.  
 Acute Ingestion: Not intended to be ingested. Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into lungs can cause chemical pneumonitis.  
 Inhalation: Inhalation of vapors may cause irritation in the respiratory tract including nasal irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.  
 Carcinogenicity: Over exposure to styrene has been found to cause the following effect in laboratory animals: live abnormalities, kidney damage, and lung damage.  
 NTP – Not Listed                      IARC Monographs – Not Listed                      OSHA Regulated – No  
 Medical Conditions Generally Aggravated by Exposure – Not listed

**Emergency and First Aid Procedures -**

**Ingestion:** In the event of ingestion- Do not induce vomiting. Seek medical advice. Keep individual warm and quiet. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis which can be fatal.  
**Inhalation:** Move to fresh air. Drink water to clear throat and blow nose to remove dust. If breathing has stopped or is labored give assisted respiration (e.g. mouth to-mouth). Supplemental oxygen may be indicated. Seek medical advice. Prevent aspiration of vomit. Turn victim's head to the side.  
**Skin contact:** Remove contaminated clothing and shoes. Remove product and immediately flush affected area with soap and water for at least 15 minutes. If irritation persists, get medical attention.  
**Eye contact:** Flush with copious amount of water for at least 15 minutes, holding eyelids open at all times. Seek medical advice.

**Section VII—Precautions for Safe Handling and Use**

Steps to Take if Material Is Released or Spilled – Avoid contact with skin and eyes. Absorb liquid on absorbent material and collect in suitable and properly labeled containers.  
 Waste Disposal Method – In accordance with federal, state and local regulations.  
 Precautions to Be Taken in Handling and Storing – Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Use with good ventilation. Wash after handling and before eating, drinking or smoking. Keep in cool, dry, ventilated storage.  
 Transportation Information – DOT (49 CFR 172) - Unrestricted, IATA – Unrestricted

**Section VIII—Control Measures**

Respiratory – Approved respirator when regulated                      Monitoring – N/A                      Medical Surveillance – N/A  
 Skin protection – Long sleeved, long legged work clothes, or disposable coveralls to minimize skin exposure. Wear chemical resistant gloves to provide proper protection.  
 Eyes – Chemical splash goggle are advised, however other type of safety glasses or goggles can be utilized.  
 Ventilation – Provide sufficient mechanical ventilation.

**Section IX—Other Information**

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not product specification. The information in this data sheet was compiled from the information supplied by the vendors of the components of this compound. Neptune Research, Inc. makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Neptune Research, Inc. assumes no responsibility for injury from the use of the product described herein. This information is intended only to assist in the safe handling of this material.