

# Material Safety Data Sheet

Prepared by: Jeff Post Date Revised: 03-01-2007

## 1. Manufacturer & Product Identification:

TRADE NAME: POLYFIBE  
PRODUCT CODE: SEBS-POLY  
PROPER SHIPPING NAME: NON-HAZARDOUS  
MANUFACTURER'S NAME: ARC  
ADDRESS: 2705 S. Shiloh Rd. Garland, Tx 75041  
CONTACT INFORMATION: EMERGENCY PHONE: 1-800-535-5053 INFORMATION PHONE: 972-864-0240

## 2. Chemical Identification

<u>Material or Component</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>By Weight</u>
Polyethylene:	9002-88-4	*	>95%
Polyvinyl Alcohol:	9002-89-5	209-183-3	<5%

	HMIS
HEALTH	0
FIRE	1
REACTIVITY	0
Personal Equip	0

## 3. Hazards Identification

**Skin Contact:** Contact with fibers may cause mechanical irritation of skin.  
**Inhalation:** Some individuals, e.g. with asthma or bronchitis, are likely to be intolerant of high concentrations of airborne fibers or fiber dust when processing.  
**Skin Absorption:** None known  
**Eye Contact:** Fibers or fiber dust may cause irritation or scratch the surface of the eyes.  
**Ingestion:** None known

## 4. First Aid Measures

**Eyes:** Flush with water to remove particles.  
**Skin:** Wash off with soap and water.  
**Inhalation:** Remove to fresh air if effects occur and seek medical attention if persistent coughing or other symptoms develop.  
**Ingestion:** No treatment required (no harm).

## 5. Fire Fighting Measures

**Flash Point:** >200°C  
**Auto ignition Temperature:** Not available  
**Flammable Limits in Air, % by Volume:** Not determined  
**Extinguishing Media:** Water, CO<sub>2</sub>, Dry Chemicals

	FIRE
HEALTH	0
FIRE	1
REACTIVITY	0
Personal Equip	0

**Special Fire Fighting Procedures:** Avoid excessive inhalation of smoke or potential thermal decomposition products. Wear self contained breathing apparatus meeting NIOSH standards.

**Unusual Fire & Explosion Hazard:** As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

## 6. Accidental Release Measures

**Aquatic Toxicity:** None known  
**Steps to be Taken if Material is Released or Spilled:** Sweep or vacuum up and place in a waste disposal container or reuse.  
**Neutralizing Chemicals:** Not applicable

## 7. Handling & Storage

**Precautionary Statements:** No special handling has been shown to be necessary.  
**Other Handling & Storage Requirements:** Avoid overstacking to prevent collapse or breakage of the package. Do not store near flame or incompatible materials. Maintain good housekeeping to control dust accumulations. Store at temperatures below 60°C (150°F).

## 8. Exposure Controls/Personal Protection

**Ventilation Requirements:** Local exhaust for fiber dust only.  
**Specific Personal Respiratory:** For operations where inhalation exposure can occur, a NIOSH approved respirator recommended by an industrial hygienist may be necessary.  
**Protective Equipment:** For operations where eye or face contact can occur, eye protection such as goggles or a face shield is recommended.  
**Eye:** Not required  
**Skin:** Not required  
**Additional Equipment:** Not required  
**Exposure Guidelines:** Dust should be considered a nuisance dust:  
ACGIH TLV 10 mg/m<sup>3</sup> total dust  
OSHA PEL: 15 mg/m<sup>3</sup> total dust 5-m /m<sup>3</sup> respirable dust

## 9. Physical & Chemical Properties

<b>Chemical Formula:</b>	-(C2H4)-	<b>Vapor Density:</b>	Not Applicable	<b>pH:</b>	Not Applicable
<b>Physical state:</b>	White solid	<b>Vapor Pressure:</b>	Not Applicable	<b>pH (t% Solution):</b>	Not Applicable
<b>Boiling Point:</b>	Does not boil	<b>Specific Gravity:</b>	0.96 g/cm3	<b>Solubility in Water:</b>	Negligible
<b>Melting Point:</b>	135°C	<b>Molecular Weight:</b>	Not determined	<b>Evaporation Rate:</b>	Negligible
<b>% Volatiles by Weight:</b>	<2% (water)	<b>VOC percent:</b>	None		

## 10. Stability and Reactivity

**Incompatibilities:** Tends to decompose in strong acids & bases

**Conditions Contributing to Instability:** Excessive heat should be avoided. Small quantities of fumes evolve at about 225°C (435°F). These gradually increase until, at above 300°C, decomposition and oxidative pyrolysis take place. Above 300°C the heat of oxidation may produce a rapid rise in temperature which accelerates the pyrolysis. Under these circumstances hazardous substances such as carbon monoxide, formaldehyde and acrolein can evolve.

**Hazardous Decomposition Products:** None anticipated under normal or recommended handling & storage conditions.

**Conditions Contributing to Hazardous Polymerization:** Hazardous polymerization will not occur.

## 11. Toxicological Information

According to the hypothesis of Stanton-Pott, it is reported that there is a possibility of causing cancer when ultra-fine fibers below 0.25 micrometer diameter and above 8 micrometer in length are absorbed into the lung. When this product was observed with the electron microscope, the diameter of the fibers was above 1 micrometer, and the average length was over 100 micrometer; therefore the values were higher than those provided by this hypothesis. However, in the manufacturing process, the product may be reduced into ultra-fine fibers that come within the range presented in the Stanton-Pott hypothesis

## 12. Ecological Information

**Aquatic Toxicity:** No data available. Fiber is not biodegradable.

## 13. Disposal Considerations

**RCRA:** Is the unused product an RCRA waste if discarded? No  
**Waste Disposal Method:** Dispose of in accordance with applicable governmental non-hazardous solid waste regulations.  
**If Material is Released or Spilled:** Sweep up and place in a waste disposal container.  
**Neutralizing Chemicals:** Not Applicable

## 14. Transport Information

**Proper Shipping Name:** Polyethylene Pulp  
**NMFC Item No.:** 68310  
**HTC No.:** 3901.20

## 15. Regulatory Information

### International:

IATA: Not regulated  
 ICAO: Not regulated  
 IMDG: Not regulated  
 Canada: DSL/NDSL: This product is included on the Canadian Domestic Substance List.  
 Canada: TDG: Not regulated  
 Canada: WHMIS: Not a controlled product.

EU: All components of this product are listed on EINECS or are exempt from EINECS registration.

### Federal:

DOT: Not hazardous  
 OSHA: This product is not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.  
 SARA: No ingredients listed. TSCA: This product is certified for inclusion on the TSCA Inventory of Chemical Substances.

### State:

CA: Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

## 16. Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.