

# **Material Safety Data Sheet**

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## **Section I – Product/Company Identification**

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Trade Name: Elastack™  
Chemical Name: Styrene Block Copolymer

Manufacturer's Name: Sutton Scientifics, Inc.

Address: 246 W. College Street, Star, NC 27356

Emergency and Information Telephone Number: 910-428-1600

Revision Date: JUNE 17, 2004

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## **Section II – Hazardous Ingredients/Identity Information**

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According to the U. S. Occupational Safety and Health Act and Regulations, 29 CFR, 1910.1200, this product does not contain any hazardous ingredients.

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## **Section III – Hazards Identification**

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Skin Contact: Product is presumed to be minimally irritating to the skin.

Ingestion: Product is generally considered to have a low order of acute oral toxicity.

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## **Section IV – First Aid Measures**

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Eye Contact: Flush eyes with water for 20-30 minutes. If irritation occurs, get medical attention.

Skin Contact: Wash skin thoroughly with soap and water. If contact with molten product occurs, treat as for ordinary burns. If molten polymer contacts the skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burns.

Inhalation: Not likely to be inhaled due to physical form and low vapor pressure; If fumes from very hot material cause any irritation, remove affected person from environment to well ventilated area.

Ingestion: Not probable; if a large amount is swallowed, seek medical attention.

## **Material Safety Data Sheet**

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### **Section V – Fire and Explosion Hazard Data**

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|-------------------------------------|--|
| Flash Point (Method Used):          | Not Applicable   |
| Flammable Limits:                   | Not Applicable   |
| Special Fire Fighting Procedures:   | Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including positive pressure NIOSH approved self-contained breathing apparatus.  |
| Unusual Fire and Explosion Hazards: | Material melts when heated to become a liquid with properties similar to hot cooking oil or grease which can burn in contact with flame or other high temperature sources of heat. Molten material floats on water and contact with water can cause splattering and spreading. Molten material readily wicks into porous media and will burn through wicking in many porous materials. |

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### **Section VI – Accidental Release Measures**

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| Steps To Be Taken in Case Material is Released or Spilled: | Shovel and sweep up or use industrial vacuum cleaner; put into containers for reclaiming or disposal. |
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### **Section VII – Handling and Storage**

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| Precautions To Be Taken in Handling and Storing: | Treat as a solid that can melt and burn. Store away from oxidizing materials, in a cool dry place with adequate ventilation.<br><br>In processing, do not allow the temperature to exceed 185 degrees C.<br><br>Avoid vapors from heated products. Adequate ventilation or engineering controls must be employed in high temperature processing to prevent exposure to potentially toxic/irritating fumes. |
| Practice good housekeeping:                      | Do not allow product to accumulate in processing area.   |

## **Material Safety Data Sheet**

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### **Section VIII – Exposure Controls/Personal Protection**

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| Respiratory Protection:                 | Not ordinarily required.  |
| Ventilation:                            | Adequate ventilation and or engineering controls are required when product is heated in processing. |
| Protective Gloves:                      | Heat protective gloves  |
| Eye Protection:                         | Safety glasses  |
| Other Protective Clothing or Equipment: | Heat protective clothing  |

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### **Section IX – Physical/Chemical Characteristics**

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|--------------------------|-----------------------------|---|----------------|
| Boiling Point:           | Not Applicable              | Specific Gravity:<br>(H <sub>2</sub> O = 1) | 0.86 – 1.03    |
| Vapor Pressure: (mm Hg.) | Not Applicable              | Melting Point:                              | Not Applicable |
| Vapor Density: (AIR = 1) | Not Applicable              | Evaporating Rate:<br>(Butyl Acetate = 1)    | Not Applicable |
| Solubility in Water:     | Negligible                  |   |                |
| Appearance and Odor:     | Solid, essentially odorless |   |                |

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### **Section X – Reactivity Data**

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|                           |   |
|---------------------------|---|
| Stability:                | Stable  |
| Hazardous Polymerization: | Will not occur  |
| Conditions to Avoid:      | Strong oxidizing agents   |
| Hazardous Decomposition:  | At high temperatures, some degree of thermal degradation will occur; although highly dependent on temperature and environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such as methane and propane) to toxic/irritating gases (carbon monoxide and dioxide, acrolein, acids, ketones, aldehydes). |

## **Material Safety Data Sheet**

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### **Section XI – Toxicological Information**

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Carcinogenicity:      NTP? Not listed      IARC Monographs? Not listed      OSHA Regulated? No  
Signs and Symptoms of Exposure:      As noted above

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### **Section XII – Ecological Information**

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Ecotoxicity:      Not Available  
BOD5 and COD:      Not Available  
Products of Biodegradation:      Hazardous degradation products are not likely to appear in a short period of time. Long term degradation product information is not available.

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### **Section XIII – Disposal Considerations**

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Waste Disposal Method:      Place in an appropriate disposal facility in compliance with local, state and federal regulations.

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### **Section XIV - Transport Information**

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DOT Classification:      Not Regulated

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### **Section XV – Regulatory Information**

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The components of this product are listed on the EPA/TSCA inventory of chemical substances.

Protection of stratospheric ozone (Pursuant to Section 611 of the clean air act amendment 1990): Per 40 CFR Part 82. This product does not contain nor was it directly manufactured with any Class I or Class II Ozone Depleting Substances.

Based on Data available, this product is not regulated under Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986.

Based on Data available, this product is not regulated under the California Safe Drinking and Water act (Proposition 65).

Based on Data available, this product is not regulated under the Resource Conservation and Recovery Act (RCRA).

Based on Data available, this product is not regulated under the Coalition of Northeastern Governors (CONEG).

Based on Data available, this product is not regulated as an Extremely Hazardous Substance (EHS).

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## **Section XVI – Other Information**

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*The information contained herein is based on the data available to us and is believed to be correct. However, Sutton Technologies, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Sutton Technologies, Inc. assumes no responsibility for injury from the use of the product described herein.*