

**MATERIAL SAFETY DATA SHEET**

9/12/2012

**PRODUCT NAME:** SureSTICK Adhesive

**SECTION 1: MANUFACTURER IDENTIFICATION**

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Company: Environmental Molding Concepts LLC  
Address: 14050 Day Street  
City/St/Zip: Moreno Valley, CA 92553  
Emergency Phone: (909) 472-9161  
Office Phone: (888) 836-2665

**SECTION 2: HAZARDOUS INGREDIENTS**

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	<u>CAS #</u>	<u>TLV(ACGIH)</u>	<u>OSHA PEL</u>
Component: Diphenylmethane 4,4' diisocyanate (free, unreacted)	101-68-8	.005 ppm	.002 ppm

**SECTION 3: PHYSICAL DATA**

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Appearance and Odor:	Viscous liquid, slight odor	Vapor Pressure (mm Hg):	N/A
Specific Gravity (H2O = 1):	1.02 - 1.09	Vapor Density (AIR = 1):	N/A
Melting Point:	N/A	Solubility in Water:	Reacts
Boiling Point:	N/A	Evaporation Rate (Butyl Acetate = 1)	Low

**SECTION 4: FIRE & EXPLOSION HAZARD DATA**

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Flash Point (Method Used): 351° F (closed cup)  
Flammable Limits: Not Available  
Extinguishing Media: Water spray, dry chemical  
Special Fire Fighting Procedures: Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing  
Unusual fire and explosion hazards: Contamination of isocyanates with water could lead to dangerous pressure inside closed containers by generation of carbon dioxide.

**SECTION 5: REACTIVITY DATA**

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Stability: Stable under recommended storage conditions.  
Conditions to Avoid: Conditions that will cause ignition or burning  
Incompatibility (Materials to avoid): Alcohols, strong oxidizing agents, water

**SECTION 6: HEALTH HAZARD DATA**

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Routes of Entry: Inhalation, skin, eyes, ingestion, mist  
Health Hazards: May be harmful if inhaled, swallowed or absorbed through skin  
May cause skin irritation  
May cause skin sensitization  
May cause irritation of the respiratory tract  
Repeated exposure may cause sensitization of the respiratory tract and the development of an asthmatic reaction on further exposure  
Diphenylmethane 4 is not listed as a carcinogen  
Carcinogenicity: Itching of skin, irritation of mucous membranes and eyes, sneezing  
Signs and symptoms of exposure:  
Medical conditions generally aggravated by exposure: Not known; however, could potentially aggravate allergies  
Emergency and First Aid procedures: Swallowing - Drink promptly a large quantity of milk, egg white or gelatin solution. If not available, drink a large quantity of water. Obtain medical attention immediately.

Skin contact - Remove contaminated clothing. Wipe excess material from the skin. Wash skin with alcohol, followed by soap and water. Obtain medical attention immediately.  
Inhalation - Remove to fresh air. If breathing is difficult, administer oxygen. Obtain medical attention immediately.  
Eye contact - Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if irritation persists.  
Notes to Physician: Treat for potential respiratory irritation.

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to be taken in case material is released or spilled:	Wear suitable protective equipment - especially respirators and eye Absorb on inert material such as sand, earth, vermiculite. Sweep up and collect in a suitable container for disposal Ventilate the area Stop the leak if it can be done without risk Avoid discharge to sewers or to natural waters
Waste disposal method: Precautions to be taken in handling and storage:	Use only with adequate ventilation Keep containers tightly closed. Store in cool, dry and well ventilated area.
Other Precautions:	Store under nitrogen., Isocyanate based products react with water liberating carbon dioxide, which can lead to excessive pressure in closed containers, and form solid insoluble polymers, which can block pipes, valves, etc. Contact with copper or copper alloys and galvanised surfaces must be avoided and valves, etc. made of these materials must not be used in equipment for storing and handling diisocyanates. Do not store in open containers.

## SECTION 8: CONTROL MEASURES

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Ventilation:	Provide for sufficient ventilation
Local exhaust:	Provide for sufficient exhaust
Special	None
Mechanical:	None
Protective Gloves:	Chemical resistant protective gloves
Eye Protection:	Use safety goggles
Work/Hygen Practices:	Immediately remove contaminated clothing
Other Protective Clothing or Equipment:	Eye bath, Safety shower airborne fibers and particles

## SECTION 9: SHIPPING DATA

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This product is not regulated by D.O.T.  
This product is not regulated by IMDG or ICAO

## SECTION 10: REGULATORY INFORMATION

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**Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.**

Components present in this product at a level which could require reporting under the statute are:

Diphenylmethane 4,4'-diisocyanate (free,unreacted)

CAS# 101-68-8

Max weight %: 20.00

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.**

Components present in this product at a level which could require reporting under the statute are:

Diphenylmethane 4,4'-diisocyanate (free,unreacted)                      CAS# 101-68-8                      Max weight %: 20.00

**Massachusetts Right-To-Know Substance List (MSL)-Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:

Diphenylmethane 4,4'-diisocyanate (free,unreacted)                      CAS# 101-68-8                      Max weight %: 20.00

**Pennsylvania Right-To-Know Hazardous Substance List-Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.**

Components present in this product at a level which could require reporting under the statute are:

Diphenylmethane 4,4'-diisocyanate (free,unreacted)                      CAS# 101-68-8                      Max weight %: 20.00

**New Jersey Worker and Community Right-To-Know Act (Labeling Requirements).**

Reaction product of a polypropylene glycol and polypropylene with diphenylmethanediisocyanate (MDI)  
CAS# 68130-40-5

Diphenylmethane 4,4'-diisocyanate (free,unreacted)                      CAS# 101-68-8

**EPA Hazard Categories (SARA 311,312): Immediate Health Hazard, Delayed Health Hazard**

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