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 1893 BARRETT ROAD 24 hr. EMERGENCY CHEMTREC:
 TROY, MICHIGAN 48084 1-800-424-9300

PRODUCT: 987 Urethane Adhesive; One Component, Moisture Curing, Non-Sag Sealant
MSDS ID: ND3561
ORIG. DATE: 12/30/2008
REV. DATE:
REV. DATE:
PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H: 2 F: 2 R: 1 PPE:

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Xylene	1330-20-7	<8	100 ppm	150 ppm	
Petroleum Distillates	64742-47-8	<2	n.e.	n.e.	
Diphenylmethane Diisocyanate (MDI)	101-68-8	<0.5	0.020 ppm	0.005 ppm	

All ingredients are listed on the TSCA Inventory. n.a. = not applicable / n.e. = not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	>104°F	VOC #/gal. :
VAPOR DENSITY:	n.e. air = 1	DENSITY OF COATING: 1.17 @ 68°F
VAPOR PRESSURE:	n.e.	
MELTING POINT:	n.a.	
SPECIFIC GRAVITY:	n.e. water = 1	
EVAPORATION RATE:	n.e.	
WATER REACTIVE:	No	
SOLUBILITY IN WATER:	Insoluble	
APPEARANCE AND ODOR:	White, gray or black paste with slight odor.	

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: 279°F
AUTOIGNITION TEMPERATURE: >392°F
FLAMMABILITY LIMITS % IN AIR: LEL: 0.6 UEL: 8.0
EXTINGUISHER MEDIA: Carbon dioxide, dry powder, and foam. If water is used, it should be used in very large quantities. The reaction between water and isocyanate can be vigorous.
SPECIAL FIREFIGHTING PROCEDURES: Evacuate downwind personnel. Wear full protective gear including self-contained breathing apparatus when fighting fires. Cool closed containers with water. Heated containers can rupture violently.
UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: Dense smoke is emitted when product is burned without sufficient oxygen. Water spray may cause boiler-over to occur when product temperature reaches the boiling point of water, and the reaction forming CO₂ will accelerate. MDI vapor and other gases may be generated by thermal decomposition.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Xylene	>4,300 mg/kg (rat)	14,100 uL/kg (rabbit)	4550 ppm/4 hr. (rat)
Petroleum Distillates	n.e.	n.e.	n.e.
Diphenylmethane Diisocyanate (MDI)	n.e.	n.e.	n.e.

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Respiratory protection must be used if exposures cannot be maintained below the recommended exposure limits.

PROTECTIVE GLOVES: Wear chemical resistant gloves.

EYE PROTECTION: Wear chemical goggles or full face shield and safety glasses with side shields.

VENTILATION TO BE USED: **LOCAL EXHAUST:** X **MECHANICAL:** **SPECIFIC:**
OTHER (specify): Use local exhaust ventilation if mist or vapor may be generated during use.

PROTECTIVE CLOTHING AND EQUIPMENT: Wear chemical resistant clothing to prevent repeated or prolonged exposure to material, in order to avoid possible skin sensitization. Chemical resistant boots may be necessary depending on use conditions.

HYGIENIC WORK PRACTICES: Wash hands thoroughly after using the product, before eating, drinking, smoking or using the toilet. Do not wear contact lens when using this product. Safety shower/eyewash station should be available in the work area.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**

Wear full protective clothing and respiratory protection as required to maintain exposures below the applicable exposure limits during spill clean-up. Avoid ignition sources. Collect spilled material using an inert absorbent and place in a suitable container for disposal. If necessary MDI can be neutralized with an ammonia and water solution. For neutralizing solution use 90% water, 5% ammonia, and 2% detergent. Use 10 parts neutralizer to one part MDI.

WASTE DISPOSAL METHODS: Dispose of in accordance with all federal, state, and local regulations. Empty containers must be handled with care as they may still contain residue. Do not heat or cut empty product containers with electric or gas torch.

SAFE HANDLING AND STORAGE: Keep containers tightly closed when not in use. Store in a cool dry location away from direct sunlight. Do not store with alcohols, amines or other materials that react with diisocyanates. Avoid prolonged heating above 320°F.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Avoid skin and eye contact. Avoid inhalation of vapors. Keep out of reach of children.

**RECOMMENDED
NFPA/HMIS
RATING**

HEALTH 2

FLAMMABILITY 2

REACTIVITY 1

**PERSONAL
PROTECTION**

note: ratings may differ according to application, environment, and physical state.

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NOTES:

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
101-68-8	Diphenylmethane Diisocyanate	1-1.2%
1330-20-7	Xylene	8%

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>Material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>Cancer Agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent & Reproductive Toxin</u>
None					

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