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URETHANE TECHNOLOGY COMPANY, INC.

MATERIAL SAFETY DATA SHEET

EMERGENCY CONTACT: Call CHEMTREC
800 –424-9300 (24 HOURS) FOR SPILLS, LEAKS, FIRE & EXPOSURE

Issue Date: 01/04/06 **Revised Date: 08/08/08**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Material name: **UTC – B COMPONENT (Polyurethane resin blend with Amine Catalyst)**

Product Usage: Component of a two-part polyurethane system

Company Info: URETHANE TECHNOLOGY CO
59-77 TEMPLE AVENUE
NEWBURGH NY 12550
(845) 561-5500

UTC "B" COMPONENT IS PART OF A POLYURETHANE SYSTEM. THIS MATERIAL SAFETY DATA SHEET SHOULD BE READ IN ITS ENTIRETY ALONG WITH UTC COMPONENT "A" PRIOR TO USING THIS PRODUCT.

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview –
A liquid with a slight organic odor. As a liquid or a mist, it can act as an irritant to skin, eyes, or respiratory tract. This product is harmful if ingested. Individuals who are sensitive to amines or isocyanates should not be spraying or working with this material as allergic skin or respiratory reactions may occur to individuals with these sensitivities.

OSHA/HCS STATUS - This product is considered hazardous by the OSHA standard 29 CFR 1910.1200

Potential Acute Health Effects
Eyes – Hazardous in case of eye contact (irritant).
Skin - Hazardous in case of skin contact (irritant).
Inhalation – Hazardous in case of inhalation (lung irritant).
Ingestion – Slightly hazardous in case of ingestion.

Phys Appearance – Liquid
Color – Amber

General - Please read the entire MSDS for a more thorough evaluation of hazards.

SECTION 3: INFORMATION ON INGREDIENTS (COMPOSITION)

INGREDIENT(S)	%	CAS#
Polyether Polyol Blend	50-80%	Trade Secret
Water	15-30%	7732-18-5
Tris (1 chloro-2-propyl) phosphate	00-15%	13674-84-5
Tertiary Amine	05<	Trade Secret
Dye or pigment (non-hazardous)	00-15%	

Ingredients not precisely identified are proprietary or non-hazardous. Values are NOT product specifications.

SECTION 4: FIRST AID MEASURES

Eye Contact - Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove any contact lenses. Continue washing for up to 15 minutes.

Skin Contact - Immediately rinse contaminated skin under running water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse and clean shoes.

Inhalation - Move the exposed person to fresh air. If not breathing, if breathing is irregular, or if respiratory arrest occurs, immediately contact a paramedic, doctor, or poison control center. Provide oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Maintain open airway and loosen any tight clothing. In case of inhalation of product due to fire, symptoms may be delayed. The exposed person should be monitored for at least 48 hours. For irritation, or any systemic symptoms get medical help.

Ingestion - Wash out mouth with water and move person to fresh air. Immediately consult a physician or poison control center. Do NOT induce vomiting, unless instructed. Never give anything by mouth to an unconscious person.

Note to Physician – Exposure may cause asthma-like symptoms or aggravate pre-existing asthma or other respiratory disorders. Bronchodilators, expectorants, and antitussives may be of help. Treat bronchospasm with inhaled beta2 angonist and oral or parenteral corticosteroids. Symptomatic and supportive therapy as needed. Persons receiving significant exposure should be monitored for at least 48 hours.

SECTION 5: FIRE FIGHTING MEASURES

Autoignition Temp - Not determined
Flash Point - >230ºF/110ºC
Flammable Limits – LFL/UFL Not applicable
OSHA Flame Class - IIIB

Combustion Products – Carbon Monoxide, Carbon Dioxide, nitrous Oxide and HCN.
Unusual Hazards - Sealed containers can rupture violently when exposed to fire or heated.

Extinguishing Media – SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do NOT use direct water stream. May spread fire. Keep people away.

Protective Clothing – Splash goggles. Full suit. Boots. Gloves. A self-contained breathing apparatus (SCBA) should be used to avoid inhalation of product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

No action shall be taken involving any personal risk or without suitable training.
Inform relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, etc.)

Protect people – Isolate area. Keep personnel out of low areas. Keep upwind of spill. Ventilate area of leak or spill.

Small Spill – Clean up should be performed by trained personnel. People dealing with major spillages should wear full protective clothing including appropriate respiratory protection. Evacuate the area. Prevent further leakage, spillage, or entry into drains.

Large Spill - Contain and absorb large spillages into an inert, non-flammable absorbent carrier (such as sand or vermiculite). Shovel into open-top drums or plastic bags for further decontamination. Wash the spillage area clean with liquid decontaminant. Remove and properly dispose residues via licensed waate disposal.

Decontaminant – Prepare a decontamination solution of 0.2%-0.5% liquid detergent and 3-8% concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for ammonium hydroxide). Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten the bungs. Mixing with wet earth is also effective, but slower.

SECTION 7: HANDLING AND STORAGE

Handling – Avoid breathing vapors. Avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed. Eating, drinking, and smoking should be prohibited where this material is handled, stored, and processed. Workers should wash hands before eating, drinking, and smoking. Empty containers contain product residue. Do not reuse containers.

Storage – Keep containers properly sealed and stored in a well ventilated dry place. Store away from: moisture, isocyanates, oxidizing materials, and food and drink. Do not reseal contaminated containers. Do not store in containers made of copper, copper alloys or galvanized surfaces.

Ideal Storage Temp – 16-18ºC (60-100ºF)

SECTION 8: EXPOSURE CONTROLS/PROTECTION

Exposure Guidelines –

ACGIH TLV	No ingredients listed in this section
OSHA PEL	No ingredients listed in this section
OTHER LIMIT	None

Preventive measures – Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices in your workplace.

Engineering controls – Use only with adequate ventilation. Provide general and/or local exhaust ventilation . Exhaust systems should be designed to move air away from the source of vapor and the people working.

Personal Protective Equipment

Eyes – Chemical safety goggles.

Skin – Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, gloves, boots, apron, or full body suit will depend on operation. Gloves – neoprene, nitrate rubber, butyl rubber. Thin latex gloves should not be used repeatedly or long term. Remove contaminated clothing immediately, wash skin area with soap and water.

Respiratory - Use a properly fitted, air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary, such as spray operations. Not required for well ventilated areas if not spraying.

Persons with respiratory problems including asthmatic type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or skin allergies should be evaluated for their suitability of working with this product in conjunction with Component “A”.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State –	Liquid
Odor –	Amine like, or organic odor
pH –	Not available
Vapor Pressure –	Not available
Vapor Density –	Not available
VOC Content -	Not detemined
Boiling Point -	Not available
Melting/freezing pt –	Not determined

Refer to UTC Technical Data sheet for physical properties

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability – This product is stable.
Incompatibility – **R**eactive or incompatible with: oxidizing materials, reducing materials, metals, acids and alkalis.
Hazardous Decomposition Products – Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides and organic residues
Hazardous Polymerization – Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity - This product has not been tested as a mixture. All ingredients have an oral LD50 above 500mg/kg. Not classified as "toxic" but toxic effects can be developed from large untreated exposure.

Potential acute health effects

Ingestion - Harmful if swallowed.
Inhalation - Irritating to respiratory system.
Eyes - Severely irritating. Considered corrosive to the eyes.
Skin - Considered an irritant but not classified as corrosive against DOT corrosion standards.

Potential chronic health effects

Target organs - None known.
Carcinogenicity - No known significant effects or critical hazards.
Mutagenicity – No known significant effects or critical hazards.
Teratogenacity – No known significant effects or critical hazards.
Developmental effects – No known significant effects or critical hazards.
Fertility effects - No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity - No data available on this product. Avoid contact with natural waterways and soils. May be harmful to aquatic organisms and have adverse effects in the aquatic environment.

Environmental fate – It is unlikely that significant environmental exposure in the air or water will arise based on consideration of the production and use of the substance.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste – The generation of waste should be avoided or minimized wherever possible. DO NOT DUMP INTO ANY SEWERS, ONTO GROUND, OR INTO ANY BODY OF WATER. Disposal should be in accordance with local, state, provincial, and national regulations. This material is not a hazardous waste under RCRA 40 CFR 261. Small quantities should be treated with a decontaminant solution (see section 6). The treated waste is not a hazardous material under RCRA 40 CFR 261. Chemical waste, even small quantities, should never be poured down drains, sewers or waterways. Empty containers should be decontaminated and either passed to an approved recycler or destroyed.

URETHANE TECHNOLOGY COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HEREIN PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SECTION 3 OF THIS MSDS.

SECTION 14: TRANSPORT INFORMATION

Transportation Emergency Number (CHEMTREC) 1-800-424-9300

DOT Classification – Not regulated
TDG Classification – Not regulated
IMO/IMDG Classification – Not regulated (sea)
ICAO/IATA Classification – Not regulated (air)

Placards required - None

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

HCS Classification - Irritating material.
TSAC 8(b) inventory - All components are listed or exempted.
RCRA Hazardous Waste # - None

CERCLA: Hazardous Substances – No ingredients listed.

SARA Title III (section 313) – No ingredients listed.

THIS PRODUCT DOES NOT CONTAIN NOR IS IT MANUFACTURED WITH OZONE DEPLETING SUBSTANCES

State Regulations – California prop. 65: No ingredients listed. Pennsylvania: No ingredients listed

Canadian Regulations – *This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.*

WHMIS (Canada) – Class D-2B: Material causing other toxic effects (TOXIC)
CEPA – DSL/NDSL: All components are listed or exempt.

SECTION 16: OTHER INFORMATION

Label requirements - Causes respiratory tract, eye, and skin irritation. May be harmful if swallowed or absorbed through the skin.

Hazardous Material Information System - Health = 2 Fire Hazard = 1 Reactivity = 0

National Fire Protection - Health = 2 Flammability = 1 Instability = 0

The information herein is provided in good faith but no warranty, express or otherwise, is made or implied. In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose. This product may present hazards and should be used with caution. While this MSDS describes certain hazards, no guarantee is made that these are the only hazards that exist. Hazards, toxicity, and behavior of the product may differ when used with other materials and are not dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors, and end users.

Prepared by: Urethane Technology Company Telephone: (845) 561-5500

