



MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT :: ELASTO-DECK BT 1000 B-COMPONENT

MSDS DATE:3/12/2012

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ELASTO-DECK BT 1000 B-COMPONENT (100 % SOLID)
PRODUCT CODES: EDBT1000-B

MANUFACTURER: ER SYSTEMS (AN ITW COMPANY)
ADDRESS: 12271 MONARCH STREET, GARDEN GROVE, CA 92841
INFORMATION PHONE: 714-898-0025
FAX NUMBER: 714-898-5687

EMERGENCY Contact during transport:
INFOTRAC 1-800-535-5053
CUSTOMER ID: 74919

CHEMICAL NAME: MODIFIED POLYURETHANE MEMBRANE
CHEMICAL FAMILY: POLYURETHANE
CHEMICAL FORMULA: N/A

PRODUCT USE: WATERPROOFING MEMBRANE
PREPARED BY: ER SYSTEMS

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Aromatic Polyamine CAS# MIXTURE	NA	NA	NA	LD50 (rat, oral): 1400mg/kg	15 - 25 %
AROMATIC HYDROCARBON # 64742-94-5	No data	No data	No data	No data	75 - 85 %

SECTION 2 NOTES: * Indicates chemical subject to reporting requirements as per SARASection 313 of title III and of 40 CFR 372.
All chemicals comprising this product are listed on the TSCA inventory (Toxic Substance Control Act Inventory).
NA = not available

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Use proper ventilation. Wear protective equipment and clothing. Do not inhale vapor and mist. Do not ingest. Avoid skin and eye contact. Keep away from Children, animals and expectant mothers.

ROUTES OF ENTRY:Eye, Skin, Inhalation, Ingestion

POTENTIAL HEALTH EFFECTS :

ACUTE HEALTH HAZARDS:

EYES: Vapor and/or mist may cause eye irritation. May cause redness, tearing and itching.

SKIN: Skin contact may cause irritation. Maybe be harmful by skin absorption.

INGESTION: Expeceted to be harmful. .



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INHALATION: Inhalation may casue headache. nausea. irritation to mucous membranes and upper respiratory tract.

CHRONIC HEALTH HAZARDS: A two year feeding study in rats showed the polyamine to cause effects in the pancreas, liver, thyroid and eyes. A increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary gland of female rats was found. Overexposure to skin may cause cyanosis (bluish discoloration of skin).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:Pre-existing eye, skin, liver, kidney and respiratory disorders may be aggravated by exposure.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. Keep eyelids open. Consult a physician immediately.

SKIN: Remove contaminated clothing .Wash material off with plenty of soap and water. If redness, itching or burning develops, consult a physician. Wash contaminated clothing before reuse.

INGESTION: Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, get medical help immediately. (Do not give anything by mouth to an unconscious person). Induce vomiting immediately by giving two glasses of water and sticking finger down throat.

INHALATION: Remove victim from exposure to fresh air. If difficulty with breathing, administer oxygen or artificial respiration. A trained personnel should be available at the site to help proper care. Seek medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: not available
(% BY VOLUME) **LOWER:** not available

FLASH POINT: > 200 °F ; (93.33°C) **METHOD USED:** COC (PENSKY MARTEN CLOSED CUP)

AUTOIGNITION TEMPERATURE: not available

HMIS HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1
PROTECTION: gloves, respirator, eye goggles, clothing (coverall/apron)

EXTINGUISHING MEDIA: In case of fire, use Dry chemical foam, carbon dioxide, halogenated agents. If water is used, use very large quantities. The reaction between water and hot isocyanate may be vigorous.

SPECIAL FIRE FIGHTING PROCEDURES: At higher temperature pressure build up in sealed containers. Use water to cool containers exposed to fire. Wear self-contained breathing apparatus with full face piece and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not reseal contaminated containers as pressure buildup may result in rupturing of the container. If containers are exposed to high temperature, vapors in the closed container can result to pressure build up that could cause rupture and fire hazard. Empty containers retains product residue (liquid/vapor) which can be dangerous. Do not pressurize, cut, weld braze, solder, drill, grind or expose to heat, flame, sparks, static electricity or other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: In case of fire, combustion products such as carbon dioxide, carbon monoxide, and nitrogen oxides may evolve. Trace amount of hydrogen cyanide may enter also.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: In case of spill, damaged containers, and leak, collect in a container. Eliminate ignition sources. Ventilate the area. Clean-up personnel should wear appropriate equipment and clothing. Clean the uncured material using solvent such as acetone. If material is cured, scrape it off and collect in a waste disposal container. Large spills should be contained and by forming a dike.

SECTION 7: HANDLING AND STORAGE



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HANDLING AND STORAGE: Store in a cool and dry, well ventilated and covered location. Wear protective clothing and equipment. Use with adequate ventilation. Do not contaminate with water. Open containers should be used within a day or two since it will start skinning. Do not store containers in direct sunlight and or high temperatures.

OTHER PRECAUTIONS: Individuals with existing respiratory disease such as chronic bronchitis, emphysema or asthma like conditions should avoid exposure to polyisocyanates or related products during application and while curing. Do not drink, eat, or smoke while working with the product. Wash before such an activity. KEEP AWAY FROM CHILDREN. Keep away from ignition sources such as fire, flame, sparks etc.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : General and local ventilation, if needed.

RESPIRATORY PROTECTION: Wear MSHA/NIOSH approved organic vapor or charcoal filtered cartridge respirator or positive pressure supplied air respirator with full face piece or an air-supplied hood.

EYE PROTECTION: Chemical tight goggles, full face shield in addition if splashing is possible.

SKIN PROTECTION: Nitrile, neoprene or butyl rubber gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Tyvek, neoprene, butyl, and nitrile rubber based clothing have excellent resistance to aromatic solvents and Polyisocyanate based products. Provide eyewash station and safety showers in the work area. Provide emergency safety plans if regulations require. Give proper training of the usage and application of the products.

WORK HYGIENIC PRACTICES: Do not drink eat or smoke while working. Wash before doing so.

EXPOSURE GUIDELINES: see section 2.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: yellowish to amber mixture

ODOR: mild aromatic odor

PHYSICAL STATE: Fluid

BOILING POINT: no data

MELTING POINT: not applicable

FREEZING POINT: Not Applicable

VAPOR PRESSURE (mmHg): not available

VAPOR DENSITY (AIR = 1): Greater than air

SPECIFIC GRAVITY (H₂O = 1): 1.03 – 1.06

SOLUBILITY IN WATER: insoluble in water.

PERCENT SOLIDS BY WEIGHT: solvent free product

VOLATILE ORGANIC COMPOUNDS (VOC): does not contain Volatile Organic Compound

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): Avoid water contact, alcohol, amines, acids and alkalis. Avoid high temperature.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid Oxidizing Agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen,,

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.



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SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

No data available. See section 2 for data on individual ingredient

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Use excess product in an alternate beneficial application. If not usable, then product is subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in accordance with local, federal and state regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION : NOT REGULATED

WATER TRANSPORTATION: NOT REGULATED

AIR TRANSPORTATION : NOT REGULATED

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components used in this products are listed in Toxic Substance Control Act (TSCA).

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none known

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard

313 REPORTABLE INGREDIENTS: none

STATE REGULATIONS: California Proposition 65: This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. ' NONE"

INTERNATIONAL REGULATIONS: WHMIS Rating (Canada): Class D, Division 2, Subdivision B.

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: 3/12/2012

DISCLAIMER:

A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.

The opinions expressed herein are those of qualified experts within Pacific Polymers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Pacific Polymer final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.



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