



# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT ELASTO-DECK 6500

MSDS DATE: 3/12/2012

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: ELASTO-DECK 6500 [B-COMPONENT]  
PRODUCT CODES: ED6500-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 FAMILY: POLYUREA  
PRODUCT USE: WATERPROOFING, DECK COATING  
PREPARED BY: ER SYSTEMS

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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Aromatic/aliphatic Polyamine Mixture ( CAS # Mixture/proprietary) 100 %

SECTION 2 NOTES: All ingredients are listed in TSCA inventory

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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: Harmful by ingestion and skin absorption, eye irritant, Corrosive Liquid Mixture, Harmful to aquatic organism

ROUTES OF ENTRY: skin absorption, ingestion, eye

### POTENTIAL HEALTH EFFECTS

EYES: May irritate eyes. May injure eye tissue and result to permanent damage.

SKIN: Corrosive. May cause burns resulting in permanent damage.

INGESTION: Expected to be harmful.

INHALATION: May cause respiratory tract irritation.

ACUTE HEALTH HAZARDS: May cause irritation to nose, throat and cause nausea, headache, dizziness, weakness and fatigue.

CHRONIC HEALTH HAZARDS: Product contains DETDA. A two year study in feeding rats showed effects in the pancreas, liver, thyroid and eyes. Increase in the number of tumors in liver and thyroid of male rats and in liver and possibly mammary gland of female rats was found.

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### CARCINOGENICITY

OSHA: NO ACGIH: NO NTP: No IARC: NO  
OTHER:

SECTION 3 NOTES: none of the ingredients is listed as human carcinogen

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## SECTION 4: FIRST AID MEASURES

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EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until material is removed. Get medical attention immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse.

INGESTION: if swallowed, get medical attention immediately. Induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, call a doctor immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

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### SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: no data  
(% BY VOLUME) LOWER: no data

FLASH POINT: > 200°F (> 93.33°C)  
METHOD USED: Pensky Martens Closed Cup

AUTOIGNITION TEMPERATURE: not known.

#### NFPA HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

#### HMIS HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1  
PROTECTION: gloves, respirator, coverall/apron, eye protection

EXTINGUISHING MEDIA: Water spray (fog), Foam, Carbon Dioxide, dry powder

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing smoke and vapor. As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flash point.

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are toxic. Combustion products include oxides of nitrogen and carbon. Fumes are hazardous in case of fire.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Contain any spills. Use absorbent to help collect the spilled material. Do not allow any entry into sewers, streams, ponds, groundwater, or soil. Collect in waste containers. Dispose as per federal, state, and local regulations

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### SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE:

Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors/dust/mist.  
Ensure adequate ventilation.  
Wash thoroughly after handling  
Keep containers tightly close.



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Protect from Moisture.

Store product away from sunlight.

OTHER PRECAUTIONS: Read MSDS/Label before working with the product. Do not use ignition source around empty containers. Do not smoke.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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VENTILATION : Provide use of good ventilation practice to avoid vapors and aerosol exposure. Use explosion proof ventilation equipment.

RESPIRATORY PROTECTION: Use of MSHA/NIOSH approved organic vapor respirator is advised to avoid inhalation of vapor and mist before and after application of the product.

EYE PROTECTION: Use chemical splash goggles, face-shield or glasses to avoid eye contact.

HAND PROTECTION: Wear protective gloves such as those made from rubber or neoprene to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: If contact of skin with the product is possible, wear impervious clothing (long sleeves, coveralls, apron or other). Precautions should be taken to ensure that material cannot get inside gloves. A safety shower and eye wash station is advised to readily available should there be contact with eyes and skin.

WORK HYGIENIC PRACTICES: Showering after work is recommended. Avoid contact with skin and eyes. Remove contaminated clothing and shoes. Wash them thoroughly before reuse.

EXPOSURE GUIDELINES: see section 11

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: yellowish clear to amber liquid mixture

ODOR: amine like odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 5 - 6

BOILING POINT: > 270°F [ C: > 132°C ]

MELTING POINT: no data

FREEZING POINT: not applicable

VAPOR PRESSURE (mmHg): 0.97 mmHg @ 259°F

VAPOR DENSITY (AIR = 1): greater than air

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.96 – 0.98

EVAPORATION RATE: not known

SOLUBILITY IN WATER: slightly soluble

PERCENT SOLIDS BY WEIGHT: 100 %

VOLATILE ORGANIC COMPOUNDS (VOC): 100 % solid

VISCOSITY: 500 cps (@75°F) max.



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### SECTION 10: STABILITY AND REACTIVITY

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STABILITY: stable

CONDITIONS TO AVOID (STABILITY): Avoid moisture contact. Avoid high temperature. Avoid storing in sunlight and high heat, Material will darken with time .

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid moisture contact. Will react with water slowly. Avoid oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May produce organic vapors and fumes and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 10 NOTES: Avoid moisture contact with the stored containers. This product is mixed with the A-component on the job site prior to application. Moisture/Water contact can make the component hydrolyze and react faster with the A-component and thus reduce work time.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:

LD50 rat (Oral): 415 mg/kg; LD50 rat (dermal): > 5000 mg/kg;

Diethyl toluene Diamine (CAS# 68479-98-1): LD50 (rat, Oral) → 542 – 738 mg/kg; LD50 (rat, dermal): > 2000 mg/kg

SECTION 11 NOTES: Skin irritation → corrosive;

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### SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:

Diethyl toluene Diamine (CAS# 68479-98-1): Aquatic: LC50 (golden orfe-48hrs): 194 mg/l

EC 50 (Daphnia Magna – 48 hrs): < 1mg/l

EC10 (Pseudomonas sp – 16 hrs): 170 mg/l

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### SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Waste must be disposed of in accordance to federal, state and local regulations. Incineration is the preferred method. Empty containers should be handled with care due to product residue.

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### SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: AMINES, Liquid, Corrosive, N.O.S. (Blocked Diamine)

HAZARD CLASS: 8

ID NUMBER: UN2735

PACKING GROUP: III

LABEL STATEMENT: corrosive

WATER TRANSPORTATION

PROPER SHIPPING NAME: AMINES, Liquid, Corrosive, N.O.S. (Blocked Diamine)

HAZARD CLASS: 8

ID NUMBER: UN 2735

PACKING GROUP: III

LABEL STATEMENTS: Corrosive

AIR TRANSPORTATION



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ID NUMBER: UN2735

PACKING GROUP: III

LABEL STATEMENTS: Corrosive

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### SECTION 15: REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components used in this product 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, Delayed Chronic Health Hazard (DETD)

313 REPORTABLE INGREDIENTS: None Known

STATE REGULATIONS: Proposition 65 (California, Pennsylvania): 2, 4 Toluenediamine (cas # 95-80-7) → 200 ppm (max)

Canada: WHMIS Classification: Class D, Class E, Division 2B

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### SECTION 16: OTHER INFORMATION

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#### 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 Polymers 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.*