

MSDS

Material Safety Data Sheet

Date: January 8, 2001

Revised Date: January 6, 2003

PRODUCT NAME: ELASTO-DECK™ 8000 AR (A-COMPONENT)

ITEM NUMBER: ED8000AR-A

DESCRIPTION: TWO COMPONENT SPRAY APPLIED POLYUREA COATING

HMIS CODES:	H:	3	F:	1	R:	0	P:	G
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SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: **Pacific Polymers International, Inc.**

12271 Monarch Street, Garden Grove, CA 92841

Telephone: 714-898-0025

EMERGENCY PHONE NO: 800-424-9300 (CHEMTREC)

SECTION II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Diethyl Toluene Diamine #68479-98-1	No data	No data	No data	LD50 (oral): 472mg/kg (female rats); 542 mg/kg (male rats); LD50 (dermal): >700mg/kg (rabbits); LC50 (inhalation): exposure of rats to aerosols for 1hr at 2.45mg/l did not produce mortality.	5 – 10 %
Aliphatic amine #9046-10-0	No data	No data	No data	LC50: No data LD50 (oral, rat): 480mg/kg; LD50 (dermal): 2.09 g/kg (rabbit)	40 – 50 %

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of titleIII and of 40 CFR 372.

All Chemicals comprising this product are listed on the Toxic Substance Control Act (TSCA) inventory.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	No data
Vapor Density	Is heavier than air
Specific Gravity (H2O=1)	1.056 (Wt. Per Gallon → 8.80 pounds)
Evaporation Rate	Slower than butyl Acetate
Solubility in water	slightly
Appearance and odor	Gray color liquid mixture, characteristic amine odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	> 200 °F (TCC)
Flammable limits in air by volume	LEL: no data UEL: no data
Extinguishing media	Use water spray or fog, foam, dry chemical or carbon dioxide
Special Fire-fighting Procedures	Water may be used to keep fire-exposed containers cool until fire is out. Wear self-contained breathing apparatus with full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. (Refer to SECTION VIII).
Unusual Fire and Explosion Hazards	No data

SECTION V - REACTIVITY DATA

Stability	This product is stable under normal storage conditions.
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Conditions to avoid	Decomposition temperature: above 500°F.
Incompatibility (Materials to avoid)	Avoid alkali or alkaline earth metals, strong acids, copper, brass and strong oxidizing agents.
Hazardous Decomposition or Byproducts	May form carbon dioxide, carbon monoxide and nitrous oxide
Hazardous Polymerization	Will not occur under normal conditions.

SECTION VI - HEALTH HAZARD DATA

Health risks and symptoms of exposure

Inhalation	May cause burns resulting in permanent damage to respiratory tract, throat, nasal passage etc. May cause central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache and unconsciousness).
Skin Contact	May cause allergic skin reaction. Other symptoms may include redness, burning, and skin damage. Pre-existing skin disorders may be aggravated by exposure to this material. Skin burning may result in permanent damage.
Eye Contact	Exposure causes severe eye irritation resulting to stinging, tearing, redness, swelling and permanent eye damage.
Ingestion	Harmful if swallowed. Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs). Material being corrosive may cause severe and permanent damage to mouth, throat and stomach. May cause gastrointestinal irritation (nausea, vomiting, diarrhea)

Health hazards (acute & chronic):

CARCINOGENICITY: NO; NTP? NO ; IARC MONOGRAPHS: NO ; OSHA REGULATED: NO

*A two year feeding study in rats showed Diethyltoluenediamine caused an increased incidence of tumors in the liver and thyroid and effects on the pancreas and eyes of male rats, and in liver and possibly mammary gland of female rats.

Medical conditions generally aggravated by exposure: May cause allergic skin reaction. May cause burns to respiratory tract, stomach, lungs etc. if inhaled or swallowed. May cause severe burns to the eye.

Emergency & First Aid Procedures

Eyes	In case of contact, immediately flush eyes with plenty of cold water for at least 15 minutes while holding eyelids wide open. Obtain medical attention without delay. DO NOT RUB EYES. RUBBING MAY RESULT IN SCRATCHING.
Skin	Remove contaminated clothing. Immediately flush skin with plenty of water. Seek medical attention if irritation develops or persists. Seek medical attention immediately if skin is burned. Launder clothing before reuse.
Inhalation	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is labored, give oxygen. Get medical help immediately. Do not give any food or liquids to an unconscious person.
Ingestion	Give 1 or 2 glasses of water to drink to dilute material in stomach. Get medical attention immediately and promptly. (Do not give anything by mouth to an unconscious person).

SECTION VII - SAFE HANDLING & USE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Absorb spill with inert material and place in a chemical waste container. Wash spilled area with soap and water. Collect wastewater into the waste container. Do not allow waste water into the drainage and sewers. Eliminate all ignition sources such as flares, flames, welding etc.

WASTE DISPOSAL METHOD. Dispose in accordance to state, federal and local rules and regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wash thoroughly after handling the product. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Empty containers may retain product residue. Dispose them in accordance to local rules and regulations. Wear protective equipment and clothing to avoid body contact.

OTHER PRECAUTIONS: Wash before eating, drinking and smoking. Store in cool dry locations. KEEP AWAY FROM CHILDREN.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear MSHA/NIOSH respiratory protective equipment.

VENTILATION: local and or mechanical exhaust.

PROTECTIVE GLOVES: Use impermeable gloves to minimize skin contact.

EYE PROTECTION: Use chemical splash goggles and face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES: Wear coveralls or aprons. Provide Eyewash station and safety showers in the work area. Provide MSDS to workers before using the product. Give proper training how to use the product.

SECTION IX – REGULATORY INFORMATION

Transportation:

DOT: Proper Shipping Name: Amines, Liquid, Corrosive, N.O.S. (Polyoxypropylenediamine)
Hazard Class: 8
Packing Group: III
I.D. Number: UN2922
ERG No.: 60 // Hazard Subclasses: None
Transport Label: CORROSIVE

Sara Title III (Section 313 Toxic Chemical Information):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
None known		

California Proposition 65:

As per requirements of the Safe Drinking Water & Toxic Enforcement Act of California, USA (1986), the public is warned that materials used in this product may create an exposure to chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This warning is required by Section 25249.6 of the California Health and Safety Code.

{The following detectable components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and /or reproductive toxicity.}

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
None known		

HMIS Ratings: Health: 3
Flammability: 1
Reactivity: 0
Protection: G (gloves, goggles, coverall/apron, respirator)

OSHA Status: This product is hazardous under the criteria of Federal ASHA Hazard Communication Standard 29 CFR 1910.1200.

Disclaimer: The data set forth in this MSDS are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Pacific Polymers International, Inc. makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.