

# Adhesives and Chemicals, Inc.

(570) 654-6735 Fax:(570) 654-0676

131 Brown Street, Pittston, PA 18640-3799

## MATERIAL SAFETY DATA SHEET

### SECTION I: MATERIAL IDENTIFICATION

**PRODUCT CODE: EP-3000** (Epoxy Curing Agent)

**Manufacturer's Name:** Adhesives and Chemicals, Inc.  
131 Brown Street  
Yatesville, Pittston, PA 18640

**Telephone numbers:** 570-654-6735  
570-883-0303

**Emergency Number:** Chemtrec 800-424-9300

Updated: 11/11/11

### SECTION 2: COMPOSITION

<b>Hazardous Component</b>	<b>C.A.S. #</b>	<b>Concentration (weight)</b>
Propane-1,3-diamine, n-[3-(tridecycloxy)propyl]-, branched (adogen 583)	68479-04-9	<8 %
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	<5 %
Bis (dimethylaminomethyl)phenol	71074-89-0	<0.2 %

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: Warning!** Corrosive.  
Severe respiratory irritant. Severe eye irritant. Severe skin irritant. Harmful if swallowed.

#### POTENTIAL HEALTH EFFECTS

**Inhalation** Harmful if inhaled and may cause delayed lung injury. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritations. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

**Eye contact** Product vapor in low concentrations can cause lacrimation, conjunctivitis, and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema can cause the perception of "blue haze" of "fog" around lights, although this is a temporary effect and has no known residual effect. Causes eye

	burns. May cause blindness. Severe eye irritation.
Skin contact	Causes skin burns. Harmful in contact with skin.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
Chronic Health Hazard	This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 % or greater. Subchronic exposure of this material or component in test animals has caused abnormalities in the central nervous system.
Aggravated Medical Conditions	Asthma. Adverse respiratory effects (such as cough, tightness of chest or shortness of breath). Eye disease. Skin disorders and allergies. Adverse skin effects (such as rash, irritation or corrosion). Adverse eye effects (such as conjunctivitis or corneal damage).

**SECTION 4: FIRST AID MEASURES**

**Ingestion:** If swallowed, give at least 3-4 glasses of water but do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious or convulsing person. Prevent aspiration of vomit.

**Skin:** Remove contaminated clothing and shoes. Then wash with large amounts of running water, until medical care is available. Get immediate medical attention. Cover wound with sterile dressing. Discard contaminated clothing and shoes.

**Inhalation:** If inhaled, move victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

**Eyes:** For eye contact, immediately flush eyes for at least 20 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for at least one hour. Get immediate medical attention.

**Medical conditions aggravated by exposure:** Allergy, eczema or skin conditions, respiratory conditions.

**SECTION V: FIRE FIGHTING MEASURES**

**Flash Point:** > 200°F (> 93 °C)

**Flash Point Method Used:** Closed Cup

**Fire Fighting Extinguishing Media:** Carbon dioxide, alcohol resistant foam, dry chemical, dry sand, limestone powder.

**Protective Equipment:** Use self-contained breathing apparatus and face shield. Avoid contact with skin.

**Specific Hazards:** May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or watercourses. Incomplete combustion may form carbon monoxide.

Downwind personnel must be evacuated.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Avoid all personal contact. Take up with absorbent material. Shovel into closable containers.

Flush contaminated area with water.

**SECTION VII: HANDLING AND STORAGE**

**Precautions:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with adequate ventilation. Promptly remove wet contaminated non-impervious clothing, wash before reuse. Destroy contaminated leather and absorbent shoes. Individuals should wash thoroughly after handling. For industrial use only.

**Storage Information:** Store in sealed containers. Keep container closed to prevent moisture absorption and contamination. Do not store near acids.

**SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal Protective Equipment:** Wear appropriate equipment to prevent probability of exposure and personal contact.

**Skin Protection:** Wear impervious gloves.

**Respiratory Protection:** Organic chemical cartridge respirator, if needed.

**Eye Protection:** Wear splash-proof chemical goggles or complete face shield.

**Engineering Controls:** Good general mechanical ventilation recommended.

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

**Color:** Amber

**Odor:** Amine

**Physical State:** Viscous Liquid

**Solubility in Water:** ~ 0.5 % at 25°C (77 °F)

**Vapor Pressure:** < 0.01 mmHg at 20°C (68 °F)

**Specific Gravity:** 0.96 at 25°C (77 °F) (H<sub>2</sub>O = 1)

**Boiling Point:** > 100°C (> 212 °F)

**Decomposition Temperature:** > 200°C (> 392 °F)

**Percent Volatile:** Nil.

**SECTION X: STABILITY AND REACTIVITY**

**Stability:** Stable.

**Incompatibility:** Sodium hypochlorite, strong oxidizing agents, acids, reactive metals (sodium, calcium, zinc, etc.). Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and compounds.

**SECTION XI: TOXICOLOGICAL INFORMATION**

**Acute Oral Effects (LD<sub>50</sub>):** (Rat) Greater than 1,670 mg/kg (polyamide resin).

**Acute Dermal Toxicity (LD<sub>50</sub>):** 1,400 mg/kg (component).

**Sensitization:** Potential sensitizer - skin and respiratory.

**Skin Irritation:** (Rabbit) Irritant.

**Eye Irritation:** (Rabbit) Severe irritant.

**SECTION XII: ECOLOGICAL INFORMATION**

**Additional Information:** No ecological information available.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose in accordance with federal, state and local regulations.

**SECTION XIV: TRANSPORT INFORMATION**

Proper shipping name:	Amines, liquid, corrosive, n.o.s. (Fatty acid diamine)
Class:	8
UN/ID Number:	UN2735
Packing group:	III
HMIS rating:	Health: 3 Flammability: 1 Physical hazard: 0

**SECTION XV: REGULATORY INFORMATION**

**US Federal Regulations:**

**OSHA Hazard Communication Standard 29 CFR 910.1200 classification:** corrosive

**SARA Title III: Section 312 (40 CFR 370) hazard classification:** Acute health hazard.

**SARA Title III: Section 313 (40 CFR 372) components above 'de minimus' level:** none.

**TSCA Section 8(b) - Inventory Status:** Chemical components listed on TSCA Inventory.

**International Regulations:**

Country	Regulatory list	Notification
EU	EINECS	Included on inventory or polymer substance, monomers included on inventory or no longer polymer.
Canada	DSL	Included on inventory
Australia	DSL	Included on inventory
Japan	ENCS	Included on inventory
South Korea	ECL	Included on inventory
China	SEPA	Included on inventory
Philippines	PICCS	Included on inventory

**State Regulations:**

**California Proposition 65:** This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

**\*\*\*SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED\*\*\***

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Adhesives and Chemicals, Inc. as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Adhesives and Chemicals assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.