

## MATERIAL SAFETY DATA SHEET

### 1. MATERIAL IDENTIFICATION

Product Name: **ACRAN ADHESIVE GEL (HARDENER), PART-B**  
 Chemical Family: AMINE MIXTURE  
 Company Name: Eastern Resins Corp.  
 1174 River Street  
 Woonsocket, RI 02895, USA

BUSINESS PHONE: (401) 769-6700  
 EMERGENCY PHONE: (800) 255-3924

### 2. COMPOSITION

<u>Chemical Name</u>	<u>Wt %</u>	<u>Exposure Limits</u>	
		<u>ACGIH TLV-TWA</u>	<u>OSHA PEL</u>
Cycloaliphatic amine	50-70	N/E	N/E
Aliphatic amine	30-50	N/E	N/E

Specific ingredients are considered a Trade Secret

Abbreviations: N/E - NOT ESTABLISHED  
 \* - Materials are in *Non-Airborne* form

### 3. HEALTH HAZARDS

**Primary Routes of Exposure:** Eyes: Yes      Skin: Yes      Inhalation: Yes  
**Eye Contact:** Cause severe irritation and may cause burn.  
**Skin Contact:** Cause irritation and sensitization. Symptoms can be immediate or delayed several hours.  
**Inhalation:** Can cause respiratory tract irritation.  
**Ingestion:** Can cause nausea, headache, and gastrointestinal irritation.  
**Other:** Preexisting skin sensitization may be aggravated by exposure to this product.

### 4. FIRST AID MEASURES

**Eyes:** Flush eyes thoroughly with water for at least 15 minutes while holding eyelids open. Seek medical attention.  
**Skin:** Remove contaminated clothing. Wipe excess from skin and wash the affected area thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.  
**Inhalation:** Remove to fresh air, and provide oxygen or artificial respiration if needed. Obtain medical attention; symptoms can be delayed up to several hours.  
**Ingestion:** DO NOT induce vomiting. Give 1-2 cups of water or milk unless the person is drowsy, convulsing, or unconscious. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Flash Point: >200°F (PMCC)  
**Explosive Limits:** Not applicable      **Auto-Ignition Temperature:** Not applicable  
**Hazardous Decomposition Products:** oxides of nitrogen, Carbon monoxide, carbon dioxide and other organic materials.

**EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS:** When sufficiently large quantities are present, firefighters should be equipped with full bunker gear, including a positive pressure, NIOSH approved, self-contained breathing apparatus. Extreme heat or water contamination may cause closed containers to explode.

**Extinguishing Media:** Use carbon dioxide, dry chemical, or appropriate foam.

### 6. ACCIDENTAL RELEASE MEASURES

Ventilate the spill area and evacuate if necessary. Remove all ignition sources. Dike and contain large spills. Flush area with water spray. Clean-up personnel should use adequate protective equipment.

## 7. HANDLING AND STORAGE

Store in a cool; dry place, in closed containers at room temperature. Avoid contact with incompatible materials. Wear protective eyewear, chemical-resistant gloves, and other protective clothing as appropriate.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Engineering/Ventilation Controls:** Effective engineering controls should be used whenever possible to eliminate and/or reduce worker exposure to all respiratory hazards. General ventilation, local ventilation, or isolation may prove adequate to keep airborne concentrations below exposure limits.

**Respiratory Protection:** Not required under normal conditions in a well-ventilated workplace.

**Skin Protection:** Impervious gloves and protective clothing should be worn as necessary.

**Eye Protection:** Chemical splash goggles or safety glasses with side shields should be worn as appropriate.

## 9. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions and use.

**Conditions and Materials to Avoid:** Reacts with epoxy and strong oxidizing agents.

**Hazardous Polymerization:** Will not occur.

## 10. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Odor:</b>	Amber liquid, ammoniacal odor	<b>Boiling Point:</b>	Not determined
<b>Vapor Pressure (mm Hg):</b>	<1 @25°C	<b>Vapor Density (air=1):</b>	>1
<b>Specific Gravity:</b>	1.04	<b>Solubility in Water:</b>	Slightly soluble

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity Data:** Not available

**Chronic Toxicity Data:** Not available

## 12. DISPOSAL CONSIDERATIONS

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the environment occurs or is likely to occur. Utilize an appropriate disposal facility, in compliance with applicable federal, state, and local environmental control regulations.

## 13. TRANSPORTATION INFORMATION

**DOT/IATA Proper Shipping Name:** Not Regulated

## 14. REGULATORY INFORMATION

**TSCA:** The chemical components of this product are included in the TSCA Chemical Substance Inventory, as required.

### SARA TITLE III:

**Section 313 – Toxic Chemicals:** None

**Section 311/312 – Hazard Categories:**

<b>Fire Hazard:</b>	No	<b>Reactivity Hazard:</b>	No
<b>Sudden Release of Pressure Hazard:</b>	No	<b>Immediate (Acute) Health Hazard:</b>	Yes
<b>Delayed (Chronic) Health Hazard:</b>	No		

### OSHA Hazard Communication Standard Hazard Classes:

<b>NFPA Hazards:</b> Health: 3	Flammability: 1	Reactivity: 0
<b>HMIS Hazards:</b> Health: 3	Flammability: 1	Reactivity: 0

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