

**PRODUCT NAME: TADHES Tile Adhesive PART B**

CHEMICAL FAMILY: Epoxy Hardener [curing agent]

**SECTION 1 – IDENTIFICATION**

MANUFACTURER'S NAME: Rhino Linings Corporation

ADDRESS: 9747 Businesspark Avenue, San Diego, CA, 92131

INFORMATION PHONE: 858-450-0441

EMERGENCY CONTACT: (CHEMTREC): 800-424-9300

**SECTION 2 – HAZARDS IDENTIFICATION**

## Eye:

May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness. Vapors may irritate eyes.

## Skin Contact:

May cause severe injury to skin following prolonged or repeated contact, and may cause skin sensitization or other allergic responses.

## Skin Absorption:

A single prolonged exposure may result in the material being absorbed in harmful

## amounts

## Ingestion:

Single dose oral toxicity is low. The oral LD50 for rats is 2140-3990 mg/KG. Ingestion causes gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.

## Inhalation:

May cause respiratory sensitization or asthma in susceptible individuals. Excessive exposure may cause irritation to upper respiratory tract.

## Systemic and other effects:

Repeated excessive exposures may cause liver and kidney effects. Results of in vitro ("test tube") mutagenicity tests have been negative.



IRRITANT  
SKIN SENSITIZER  
ACUTE TOXICITY  
NARCOTIC EFFECTS  
RESPIRATORY TRACT  
IRRITANT  
HAZARDOUS TO OZONE  
LAYER  
(NON-MANDATORY)



SKIN CORROSION/  
BURNS  
EYE DAMAGE  
CORROSIVE TO METALS

may cause

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>%</b>	<b>CAS #</b>
Tetraethylenepentamine	Less than 5%	112-57-2
Benzyl Alcohol	Less than 45%	100-51-6

Note: Benzyl Alcohol – CAS # is 100-51-6

## Exposure Limits:

OSHA PEL: None established

ACGIH TLV: None established

Carcinogenicity: This chemical is not considered to be carcinogenic by NTP.

**SECTION 4 – FIRST-AID MEASURES**

## Eyes:

For eye contact, immediately and continuously flush eyes with flowing water for at least 30 minutes. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

## Skin:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing, preferably under a safety shower. Get medical attention immediately. Avoid prolonged or repeated contact to skin. Wash thoroughly after handling.

## Ingestion:

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If swallowed, immediately give at least 3 to 4 glasses of water or milk if available, but do not induce vomiting. Transport immediately to a medical facility. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

**Inhalation:**

Remove to fresh air if effect occurs. Consult a physician.

**Note to physician:**

Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of patient.

**SECTION 5 – FIRE-FIGHTING MEASURES**

Flash Point (TCC, F.): Greater than 210 degrees Fahrenheit  
Method used: PMCC

Fire and explosion hazards: Use full protective clothing.

Fire Fighting Equipment: Use a positive pressure, self-contained breathing apparatus.

Extinguishing media: Carbon Dioxide, Alcohol Foam, Dry chemical, water spray.

**Flammable Limits:**

LEL: Not determined

UEL: Not determined

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Avoid all personal contact. Shovel into closeable containers Use noncombustible absorbent material (sand, etc). Flush contaminated area with water.

**SECTION 7 – HANDLING AND STORAGE****Special precautions to be taken in handling and storage:**

Ground all transfer equipment. Hold bulk storage under a nitrogen blanket. This product should not come in contact with copper or copper-bearing alloys. Good general housekeeping procedure should be followed.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:** None established

**Ventilation:** Control airborne concentration below the exposure guideline. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

**Respiratory Protection:** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

**Skin Protection:** Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse. Contaminated leather items, such as shoes, belts and watchbands, should be removed and destroyed.

**Eye Protection:** Use chemical goggles. If vapor exposure causes eye irritation, use a full-face respirator. Eye wash fountain should be located in immediate work area.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Decomposes  
Vapor Pressure: 13 mmHG @ 130F  
Vapor Density: N/A  
Specific Gravity: 1.05

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Solubility in water: Slightly soluble

Appearance: Amber colored liquid

Odor: Amine odor

**SECTION 10 – STABILITY AND REACTIVITY**

Hazardous Polymerization: Will not occur

Hazardous Decomposition in products: Nitrogen oxides when burned.

Stability: Stable

Conditions to avoid: Can autoignite in air at approximately 572F

Incompatibility: Epoxy resins under uncontrolled conditions.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

NA

**SECTION 12 – ECOLOGICAL INFORMATION**

NA

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste Disposal Methods:

Dispose in accordance with local, state and federal regulations. Large quantities should be recovered. Collect small quantities in waste metal drums and seal for removal to an approved landfill, or incinerate in accordance with local, state and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION**

DOT Shipping Information: Not regulated, no restrictions.

**SECTION 15 – REGULATORY INFORMATION****Regulatory information:**

Status ON SUBSTANCE LISTS. The concentrations shown in this document are maximum or ceiling levels (expressed in weight %, unless otherwise specified) to be used for regulations. Trade secrets are indicated by "TS."

Federal EPA:

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA): N/A

EPA Hazard Classifications:

Acute Hazard:	Yes
Chronic Hazard:	Yes
Fire Hazard:	No
Pressure Hazard:	No
Reactive Hazard:	No



Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDS'S that are copied and distributed for this material. Components present in this product at level which could require reporting under the statute are:

Chemical Name:	CAS Number:	% By Weight:
NONE		

IF you are unsure if you must report more information, call the EPA Emergency Planning and Right-to-know Hot Line:

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1-800-535-0202 or 202-479-2449

Toxic Substances Control Act (TSCA):

The components of this product are contained on the chemical substance inventory list.

Other regulatory information: None known to this firm.

**SECTION 16 – OTHER INFORMATION**

04/04/2017 New

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; NE = not established

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