

# SAFETY DATA SHEET



DATE PRINTED	10/7/2016
SDS REF. No :	WA-862

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** RHINO GLUE  
POLYURETHANE ADHESIVE

**Product Code:** WA-862

**Manufacturer**  
LANCO MFG. CORP.  
URB. APONTE # 5

SAN LORENZO, PUERTO RICO, 00754  
787-736-4221

**24 HR. Emergency Telephone Number**  
**CHEMTREC (US Transportation):** 1 (800)424-9300  
**CHEMTREC (International Transportation):** 1(703)527-3887

## 2. HAZARDS IDENTIFICATION

### Classification (substance or mixture):

Category 4 Acute Toxicity, Inhalation  
Category 2 Skin Corrosion / Irritation  
Category 2B Serious damage/eyes irritation  
Category 1 Respiratory sensitization.  
Category 2 Target organ Systemic Toxicity (Repeat exposure)  
Category 3 Target organ Systemic Toxicity (single exposure)

### GHS Label Elements:



**Signal Word:** Danger

### Hazard Statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H320 Cause eyes irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficult in inhaled.  
H335 May cause respiratory irritation.

H372 Cause damage to organs the prolonged or repeat exposure.

**Precautionary Statement:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 : IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.

P403 + P233 : Store in a well ventilated place. keep container tightly closed.

P501 Dispose of contents/container to and approved waste disposal plant.

P405 Store locked up.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Weight %	CAS Number
*Aromatic Isocyanate	70% to 80%	MIXTURE
*Aromatic Isocyanate Prepolymer	20% to 30%	MIXTURE

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**4. FIRST AID MEASURES**

**Eyes:** In case of eye contact, flush with large amount of water for at least 15 minutes. Get medical assistant.

**Skin:** Immediately wash skin with soap and plenty of water.  
Get medical attention if irritation develops or persist.

**Ingestion:** Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**Notes To Physician:** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Carbone Dioxide, Dry Chemical, Foam, Water Fog.

**Unsuitable Extinguishing Media:** None

**Specific Hazard In Case Of Fire:** Closed containers may explode when exposed to extreme heat. Vapor may form explosive mixture with air. No unusual fire or explosion hazard noted. keep containers closed when not in use.

**Special Protective Equipment And Precaution For Fire Fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up an possible auto-ignition or explosion when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Environmental Precautions:** Do not allow spill to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Promptly remove soiled clothing and wash thoroughly before reuse.

**Method And Materials For Containment And Cleaning Up:** Eliminate ignition source, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

Collect absorbent/absorbent water/spilled liquid mixture into metal containers and add enough water to cover. Consult local state and federal hazardous regulation before disposing into approved hazardous waste landfills. Obey relevant law.

## 7. HANDLING AND STORAGE

**Precaution For Safe Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mist or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions For Safe Storage, Including Incompatibilities:** Handle containers carefully to prevent damage and spillage. Incompatible materials: Alkaline materials, strong acid and oxidizing materials.

Store in original containers at temperatures between 5 °C and 25 °C. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Keep containers tightly closed. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

### Exposure Limits

Components	CAS	Limits
Aromatic Isocyanate	MIXTURE	4,4'-Diphenylmethane Diisocyanate CAS#101-68-8 (10-20%) OSHA CLV 0.02ppm , 0.2 mg/m <sup>3</sup> ACIGH TWA 0.005 ppm
Aromatic Isocyanate Prepolymer	MIXTURE	ACGIH TWA .005 ppm OSHA Z1 CLV 0.02 ppm

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such system are not effective wear suitable personal protective equipment, which performs satisfactorily and meet OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

### Personal Protective Equipment:

**Respiratory Protection:** In case of insufficient ventilation wear suitable respiratory equipment.

**Eyes Protection:** Safety glasses with side-shields.

**Skin Protection:** Chemical -resistance gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Work Hygienic Practices:** Ensure shower and eyewash station are available. Use good personal hygiene practices. Wash hand before eating, drinking. Promptly remove soiled clothing and wash thoroughly before reuse.

**Other Use Precautions:** None

**Comments:** No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Dark Amber

**Flash Point And Method:** 200 - 240 °C Close-Cup

**Auto-Ignition Temperature:** Not available

**Boiling Point/Range:** 300 °C - 350 °C

**Melting Point:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Heavier than Air

**Solubility in Water:** Insoluble

**Odor:** Little or no odor

**Upper /Lower Flammable Limits:** Not applicable TO Not applicable

**Relative Density (g/cm<sup>3</sup>):** 1.121

**Evaporation Rate:** Slower than Ether

**Flammability (Solids, Gas):** Not available

**Partition Coefficient:** Not available

**pH:** Not applicable

**Decomposition Temperature:** Not available

**Coating VOC (gm/l):** 0

**Material VOC (gm/l):** 0

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Possibility Of Hazardous Reactions:** None under normal condition of use.

**Conditions To Avoid:** Poor ventilation.

**Materials To Avoid:** Keep away from the following materials to prevent strong exothermic reaction: oxidizing agents, strong alkalis, strong acids.

**Hazardous Decomposition Products:** Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

**Signs And Symptoms Of Overexposure:** No information available.

### Acute Effects:

**Eye Contact:** Cause serious eyes irritation.

**Skin Contact:** Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. Allergic reactions are possible.

**Inhalation:** Harmful if inhaled. High vapor concentration is irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**Ingestion:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**Target Organ:** No information available.

**Chronic Effects:** No information available.

**Toxicity Values:** The acute effects of this product have not been tested. Data on individual components are tabulated below.

### TOXICOLOGICAL INFORMATION

Aromatic Isocyanate Prepolymer(MIXTURE)	
LC50 Rat inhalation	490 mg/m <sup>3</sup> , 4 hrs aerosol
LD50 Rat oral	>2000 mg/kg
Aromatic Isocyanate(MIXTURE)	
LC50 Rat inhalation	490 mg/m <sup>3</sup> , 4 hrs aerosol
LD50 Rat oral	>2000 mg/kg

**CARCINOGENICITY:** The information below indicates whether each agency has listed any ingredient as a carcinogen:

## 12. ECOLOGICAL INFORMATION

**Persistence And Degradability:** No information available.

**Bio-Accumulative Potential:** No information available.

**Mobility In Soil:** No information available.

**Other Adverse Effects:** No information available.

**Eco-toxicological Other Information:** No information available.

## ECOLOGICAL INFORMATION

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## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and /or state and local guidelines.

## 14. TRANSPORT INFORMATION

	DOT	IMDG	AIR (IATA)
<b>UN Number</b>	UN3082	UN3082	UN3082
<b>UN Proper Shipping Name</b>	Other regulated substances, liquid, n.o.s. (contains 4,4-Diphenylmetane(MDI))	Other regulated substances, liquid, n.o.s. (contains 4,4-Diphenylmetane(MDI))	Other regulated substances, liquid, n.o.s. (contains 4,4-Diphenylmetane(MDI))
<b>Hazard Class</b>	9	9	9
<b>Packing Group</b>	III	III	III
<b>Environmental Hazard</b>	No	No	No
<b>Marine Pollutant (Y/N)</b>	No	No	No

## 15. REGULATORY INFORMATION

### U.S. Regulations:

#### U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 Hazard Categories:** Hazardous Information

**Fire:** No                      **Pressure Generating:** No

**Reactivity:** No    **Acute:** Yes    **Chronic:** Yes

**313 Reportable Ingredients:** This product contains a chemical or chemicals which are subject to the reporting requirements of section 313 of title 40 CFR 372.

#### 313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
*Aromatic Isocyanate	70% to 75%	MIXTURE
*Aromatic Isocyanate Prepolymer	25% to 30%	MIXTURE

#### 302/304 Emergency Planning

**Emergency Plan:** No

**State Regulations:** No

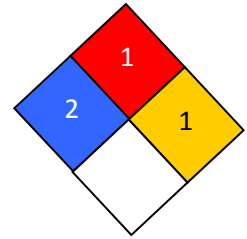
**Other Govt. Regulations:** No



## 16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	1
Reactivity :	1
Personal Protection :	H

### NFPA CODES



DATE CREATED	10-07-16
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**Revision Indicator:** None

**Manufacturer Disclaimer:** The information contained herein is based on data believed by this company to be accurate, but we do not assume any liability for its accuracy. We neither suggest nor guaranteed that any hazards mentioned are the only ones which exist. The manner in which it is used and whether there is any infringement of patents is the sole responsibility of the user.