

1. Product and Company Identification

Product Code: 0282B
Product Name: 0282B
Company Name: Appli-Tec, Inc
 7 Industrial Way Unit 1
 Salem, NH 03079
Phone Number: (603)685-0500
Web site address: www.appli-tec.com
Emergency Contact: Contact medical emergency services
Information: Call Chemtrec for Transport Info. (800)424-9300
Intended Use: Hardener for two part adhesive

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: Danger
GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/eye protection/face protection.
 P260 - Do not breathe vapors, mist, or spray.
GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P363 - Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container according to local and national regulations.
OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):
Inhalation: Harmful if inhaled.
Skin Contact: Causes skin burns.
Eye Contact: Causes serious eye damage.
Ingestion: Harmful if swallowed.
Additional Information No data available.

3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|----------|--|---------------|
| 112-24-3 | 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- | 5.0 -10.0 % |

Additional Information Exact percentages have been withheld as a trade secret.

4. First Aid Measures

Emergency and First Aid Procedures:

- In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
- In Case of Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing before reuse.
- In Case of Eye Contact:** Immediately flush eyes with plenty of water for at least 30 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

5. Fire Fighting Measures

- Flash Pt:** > 93.00 C
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** No data available.

6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Ensure adequate ventilation. Isolate area and deny entry. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Use proper personal protective equipment as indicated in Section 8. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Use only with adequate ventilation. Keep away from combustible materials, heat, sparks, and open flame. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale.
- Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|----------|---|----------|-----------|--------------|
| 112-24-3 | 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- | No data. | No data. | No data. |

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: amber. Liquid.
Odor: ammonia-like.

Freezing Point: No data.

Boiling Point: No data.

Flash Pt: > 93.00 C

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): ~1.0

Solubility in Water: No data.

Percent Volatile: No data.

Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: acids, Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen oxides.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.

Irritation or Corrosion: Serious eye damage/irritation. Skin corrosion/irritation.

12. Ecological Information

No data available.

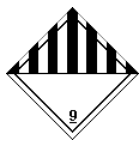
13. Disposal Considerations

Waste Disposal Method: Observe all federal, state, and local environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

| | | | |
|----------------------------------|---|-----------------------|-----|
| DOT Proper Shipping Name: | Environmentally Hazardous Substance, Liquid, N.O.S. (contains FATTY ACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE) | | |
| DOT Hazard Class: | 9 | CLASS 9 | |
| UN/NA Number: | UN3082 | Packing Group: | III |



MARINE TRANSPORT (IMDG/IMO):

| | | | |
|--------------------------------|---|--------------------------|-----|
| IMDG/IMO Shipping Name: | Environmentally Hazardous Substance, Liquid, N.O.S. (contains FATTY ACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE) | | |
| UN Number: | 3082 | Packing Group: | III |
| Hazard Class: | 9 - CLASS 9 | IMDG MFAG Number: | |
| IMDG EMS Page: | | Marine Pollutant: | Yes |

AIR TRANSPORT (ICAO/IATA):

| | |
|---------------------------------|---|
| ICAO/IATA Shipping Name: | Environmentally Hazardous Substance, Liquid, N.O.S. (contains FATTY ACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE) |
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15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|----------|--|--------------|-----------|--------------|
| 112-24-3 | 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- | No | No | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|----------|--|-----------------------------|
| 112-24-3 | 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- | TSCA: Yes - Inventory |

16. Other Information

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|---|--|
| Revision Date: | 06/10/2016 |
| Additional Information About This Product: | No data available. |
| Company Policy or Disclaimer: | The information on this data sheet represents our current and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or the applicable technical bulletin, or which involves using the product in combination with any other product or any other process is the responsibility of the user. |