

## 1. Product and Company Identification

**Product Code:** 3177B  
**Product Name:** 3177B  
**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

**Acute Toxicity: Skin, Category 4**  
**Skin Corrosion/Irritation, Category 1A-1C**  
**Skin Sensitization, Category 1**  
**Aquatic Toxicity (Acute), Category 1**  
**Aquatic Toxicity (Chronic), Category 1**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H312 - Harmful in contact with skin.  
 H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H410 - Very toxic to aquatic life with long lasting effects.

**GHS Precaution Phrases:** P260 - Do not breathe vapors, mist, or spray.  
 P264 - Wash hands thoroughly after handling.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/eye protection/face protection.

**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.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
 P501 - Dispose of contents/container according to national and local regulations.

**Emergency Overview:**

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

**Potential Health Effects  
(Acute and Chronic):**

**Inhalation:** May cause respiratory irritation.  
**Skin Contact:** Causes skin burns. May cause allergic skin reaction.  
**Eye Contact:** Causes severe eye irritation.  
**Ingestion:** Severe irritation or burns.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
68410-23-1	Polyamide based resin	90.0 -100.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	1.0 -9.0 %

**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 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention/advice.  
**In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.  
**Note to Physician:** Treat symptomatically and supportively.

**5. Fire Fighting Measures**

**Flash Pt:** > 180.00 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 with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

**Precautions To Be Taken in Storing:** Store in a cool, dry place.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68410-23-1	Polyamide based resin	No data.	No data.	No data.
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: Ammoniacal odor.

**Freezing Point:** 0.00 C

**Boiling Point:** No data.

**Flash Pt:** > 180.00 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:** Excess heat.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Strong acids.  
**Hazardous Decomposition or Byproducts:** Nitrogen oxides, Carbon monoxide, Carbon dioxide, Ammonia.  
**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:** Skin corrosion/irritation.  
**Sensitization:** Skin sensitization.

**12. Ecological Information**

**General Ecological Information:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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 ACID AMIDOAMINE RESIN)  
**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 ACID AMIDOAMINE RESIN)

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Environmentally Hazardous Substance, Liquid, n.o.s. (contains FATTY ACID AMIDOAMINE RESIN)

## 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)
68410-23-1	Polyamide based resin	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No

**Other US EPA or State Lists**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68410-23-1	Polyamide based resin	TSCA: Yes - Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Yes - Inventory

## 16. Other Information

**Revision Date:** 05/19/2016

**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.