

## 1. Product and Company Identification

**Product Code:** 5105B  
**Product Name:** 5105B  
**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 2A**  
**Respiratory Sensitization, Category 1**  
**Skin Sensitization, Category 1**  
**Toxic To Reproduction, Category 2**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H361 - Suspected of damaging fertility or the unborn child .

**GHS Precaution Phrases:** P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 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.  
 P285 - In case of inadequate ventilation wear respiratory 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.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.  
 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.

**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. May cause allergic skin reaction.  
**Eye Contact:** Causes eye burns. Causes serious eye damage.  
**Ingestion:** Harmful if swallowed.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	45.0 -75.0 %
84852-15-3	Phenol, 4-nonyl-, branched	10.0 -15.0 %
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	5.0 -10.0 %
102-71-6	Triethanolamine	1.0 -9.0 %
91672-41-2	Phenol, 2-nonyl-, branched	1.0 -5.0 %
110-85-0	Piperazine	0.1 -5.0 %
140-31-8	1-(2-Aminoethyl)piperazine	0.1 -1.0 %

**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.

**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. Do not let product enter drains. Prevent further leakage or spillage if safe to do so. 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:** Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use only with adequate ventilation.

**Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances.

**8. Exposure Controls/Personal Protection**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	No data.	No data.	No data.
84852-15-3	Phenol, 4-nonyl-, branched	No data.	No data.	No data.
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	No data.	No data.	No data.
102-71-6	Triethanolamine	No data.	TLV: 5 mg/m3	No data.
91672-41-2	Phenol, 2-nonyl-, branched	No data.	No data.	No data.
110-85-0	Piperazine	No data.	No data.	No data.
140-31-8	1-(2-Aminoethyl)piperazine	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.):** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**9. Physical and Chemical Properties**

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

**Appearance and Odor:** Appearance: colorless. Liquid.  
Odor: Ammoniacal odor.

**Melting 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):** No data.  
**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:** Strong oxidizing agents, Strong reducing 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.  
**Sensitization:** Skin sensitization.

### 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:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN2735 **Packing Group:** III



**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

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

**ICAO/IATA Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

## 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)
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	No	No	No
84852-15-3	Phenol, 4-nonyl-, branched	No	No	No
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	No	No	No
102-71-6	Triethanolamine	No	No	No
91672-41-2	Phenol, 2-nonyl-, branched	No	No	No
110-85-0	Piperazine	No	No	No
140-31-8	1-(2-Aminoethyl)piperazine	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	TSCA: Yes - Inventory
84852-15-3	Phenol, 4-nonyl-, branched	TSCA: Yes - Inventory, 4 Test, 8A PAIR
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	TSCA: Yes - Inventory, 8A, 8A PAIR
102-71-6	Triethanolamine	TSCA: Yes - Inventory, 8D TERM
91672-41-2	Phenol, 2-nonyl-, branched	TSCA: Yes - Inventory
110-85-0	Piperazine	TSCA: Yes - Inventory
140-31-8	1-(2-Aminoethyl)piperazine	TSCA: Yes - Inventory

## 16. Other Information

**Revision Date:** 08/12/2015

**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.