

**1. Product and Company Identification**

**Product Code:** 5401A  
**Product Name:** 5401A  
**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:** Resin for two part adhesive

**2. Hazards Identification**

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Skin Sensitization, Category 1**  
**Aquatic Toxicity (Chronic), Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 2**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H335 - May cause respiratory irritation.  
 H373 - May cause damage to through prolonged or repeated exposure.  
 H411 - 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.  
 P271 - Use only outdoors or in a well-ventilated area.  
 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:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 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.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before re-use.  
 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 irritation. May cause allergic skin reaction.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** May be harmful if swallowed.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
25068-38-6	Bisphenol-a based epoxy resin	40.0 -50.0 %
28064-14-4	Phenol-Formaldehyde Polymer	40.0 -50.0 %
14228-73-0	Oxirane, 2,2'-(1,4-Cyclohexanediy)bis(methyleneoxymethyl ene)	5.0 -10.0 %
12225-21-7	C.I. Pigment Yellow 100	0.0 -0.1 %

**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:** > 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:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8. Exposure Controls/Personal Protection**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
28064-14-4	Phenol-Formaldehyde Polymer	No data.	No data.	No data.
14228-73-0	Oxirane, 2,2'-(1,4-Cyclohexanediylbis(methylene oxymethylene))	No data.	No data.	No data.
12225-21-7	C.I. Pigment Yellow 100	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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. Physical and Chemical Properties**

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

**Appearance and Odor:** Appearance: yellow. Liquid.  
Odor: weak 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):** ~1.0

**Solubility in Water:** No data.

**Percent Volatile:** 0.0 % by volume.

**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, acids, Amines, bases, Strong acids.

**Hazardous Decomposition or Byproducts:** Carbon oxides, Aldehydes, Acids.

**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.

**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:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

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

**IMDG/IMO Shipping Name:** Not Regulated.

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

**ICAO/IATA Shipping Name:** Not Regulated.

**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)
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
28064-14-4	Phenol-Formaldehyde Polymer	No	No	No
14228-73-0	Oxirane, 2,2'-[1,4-Cyclohexanediy]bis(methyleneoxymethyl ene)	No	No	No
12225-21-7	C.I. Pigment Yellow 100	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
28064-14-4	Phenol-Formaldehyde Polymer	TSCA: Yes - Inventory
14228-73-0	Oxirane, 2,2'-[1,4-Cyclohexanedylbis(methyleneoxymethyl ene)	TSCA: Yes - Inventory, 4 Test, 8A
12225-21-7	C.I. Pigment Yellow 100	TSCA: Yes - Inventory

**16. Other Information**

**Revision Date:** 02/25/2016

**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.

**1. Product and Company Identification**

**Product Code:** 5401B  
**Product Name:** 5401B  
**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 3**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 2**  
**Specific Target Organ Toxicity (repeated exposure), Category 2**



**GHS Signal Word:** Warning  
**GHS Hazard Phrases:** H316 - Causes mild skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H371 - May cause damage to organs .  
 H373 - May cause damage to through prolonged or repeated exposure.

**GHS Precaution Phrases:** P260 - Do not breathe vapors, mist or spray.  
 P264 - Wash hands thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves/eye protection/face protection.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.  
 P314 - Get medical attention/advice if you feel unwell.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 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 irritation. May cause allergic skin reaction.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** May be harmful if swallowed.  
**Additional Information** No data available.



**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	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 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- 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.

**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:** Use proper personal protective equipment as indicated in Section 8. Ensure adequate ventilation. Isolate area and deny entry. Do not let product enter drains. Prevent further leakage or spillage if safe to do so. 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:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- 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
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	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 minimize contact with skin.

**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.

**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: Blue. Liquid.  
 Odor: Mercaptan-like 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):** ~1

**Solubility in Water:** No data.

**Percent Volatile:** 0.0 % by volume.

**Autoignition Pt:** No data.

**10. Stability and Reactivity**

**Stability:** Unstable [ ] Stable [X]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Oxidizing agents, Epoxy resins.

**Hazardous Decomposition or Byproducts:** Carbon oxides, hydrogen sulfide. Sulfur 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:** 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:** Polyamines, liquid, corrosive, n.o.s. (2,4,6-TRIS[DIMETHYLAMINOMETHYL] PHENOL)  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN2735 **Packing Group:** III



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

**IMDG/IMO Shipping Name:** Polyamines, liquid, corrosive, n.o.s. (2,4,6-TRIS[DIMETHYLAMINOMETHYL] PHENOL)

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

**ICAO/IATA Shipping Name:** Polyamines, liquid, corrosive, n.o.s. (2,4,6-TRIS[DIMETHYLAMINOMETHYL] PHENOL)

**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)
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No	No	No

  

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	TSCA: Yes - Inventory

**16. Other Information**

**Revision Date:** 07/14/2015

**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.