

## 1. Product and Company Identification

**Product Code:** 0490  
**Product Name:** 0490  
**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:** Chemtrec (800)424-9300  
**Intended Use:** Adhesive

## 2. Hazards Identification

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



**GHS Signal Word:** Danger  
**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H335 - May cause respiratory irritation.  
**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.  
 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.  
**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
 P403+233 - Store container tightly closed in well-ventilated place.  
 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:** Causes respiratory tract irritation.  
**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
25068-38-6	Bisphenol-a based epoxy resin	49.0 -81.0 %
112-57-2	Tetraethylenepentamine	5.6 -11.0 %
NA	Proprietary Substituted Piperazine	2.0 -5.6 %
21645-51-2	Aluminum hydroxide	2.0 -5.6 %
NA	Filler, proprietary	0.8 -4.0 %
NA	Glass, Proprietary	0.8 -4.0 %
112945-52-5	Silica, amorphous treated	0.9 -2.0 %
NA	Proprietary Polyamine	0.2 -0.9 %
NA	Proprietary epoxy resin	0.08 -0.8 %
NA	Proprietary Catalyst	0.08 -0.8 %
13463-67-7	Titanium dioxide	0.02 -0.2 %
NA	Proprietary Amine Aduct	0.02 -0.2 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	0.02 -0.2 %

**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 and shoes. Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical advice/attention.

**In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

**Signs and Symptoms Of Exposure:** Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting.

**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. Use water spray to keep fire-exposed containers cool.

**Flammable Properties and Hazards:** No data available.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. 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 in a well-ventilated area. Wash thoroughly after handling. Do not get in eyes, on skin, on clothing. Remove contaminated clothing and wash before reuse. Avoid ingestion and inhalation.

**Precautions To Be Taken in Storing:** Store at <= -40deg.C.

## 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.
112-57-2	Tetraethylenepentamine	No data.	No data.	No data.
NA	Proprietary Substituted Piperazine	No data.	No data.	No data.
21645-51-2	Aluminum hydroxide	No data.	No data.	No data.
NA	Filler, proprietary	PEL: 6 mg/m3	TLV: 3 mg/m3	No data.
NA	Glass, Proprietary	No data.	No data.	No data.
112945-52-5	Silica, amorphous treated	No data.	No data.	No data.
NA	Proprietary Polyamine	No data.	No data.	No data.
NA	Proprietary epoxy resin	No data.	No data.	No data.
NA	Proprietary Catalyst	No data.	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
NA	Proprietary Amine Aduct	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No data.	No data.	No data.

<b>Respiratory Equipment (Specify Type):</b>	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	Safety glasses.
<b>Protective Gloves:</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	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.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	Appearance: Cream. Paste. Odor: solvent odor.	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Flash Pt:</b>	> 93.00 C	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Specific Gravity (Water = 1):</b>	~1.12	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<b>Solubility in Water:</b>	No data.	
<b>Percent Volatile:</b>	No data.	

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ X ]    Stable [ ]
<b>Conditions To Avoid - Instability:</b>	Product will cure at ambient temperatures. Keep in cold storage until ready to use.
<b>Incompatibility - Materials To Avoid:</b>	Water, Strong bases, Alcohols, Oxidizing materials.
<b>Hazardous Decomposition Or Byproducts:</b>	Carbon oxides, Nitrogen oxides.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

**Toxicological Information:** No data available.  
**Irritation or Corrosion:** Serious eye damage/irritation. Skin corrosion/irritation.  
**Sensitization:** Skin sensitization.  
**Carcinogenicity/Other Information:** Ingredient CAS# 13463-67-7: IARC: Group 2B carcinogen.

## 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):**

<b>DOT Proper Shipping Name:</b>	AMINES, LIQUID, CORROSIVE, N.O.S. Tetraethylene pentamine, Polyethylenepolyamine
<b>DOT Hazard Class:</b>	8 CORROSIVE
<b>UN/NA Number:</b>	UN2735
<b>Packing Group:</b>	II



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

**IMDG/IMO Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. Tetraethylene pentamine, Polyethylenepolyamine

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

**ICAO/IATA Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. Tetraethylene pentamine, Polyethylenepolyamine

## 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
112-57-2	Tetraethylenepentamine	TSCA: Yes - Inventory
NA	Proprietary Substituted Piperazine	TSCA: No
21645-51-2	Aluminum hydroxide	TSCA: Yes - Inventory
NA	Filler, proprietary	TSCA: No
NA	Glass, Proprietary	TSCA: No
112945-52-5	Silica, amorphous treated	TSCA: Yes - Inventory
NA	Proprietary Polyamine	TSCA: No
NA	Proprietary epoxy resin	TSCA: Yes - Inventory
NA	Proprietary Catalyst	TSCA: No
13463-67-7	Titanium dioxide	TSCA: Yes - Inventory
NA	Proprietary Amine Aduct	TSCA: Yes - Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Yes - Inventory

## 16. Other Information

**Revision Date:** 04/15/2015

**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.