

## 1. Product and Company Identification

**Product Code:** 1093  
**Product Name:** 1093  
**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:** Adhesive

## 2. Hazards Identification

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



**GHS Signal Word:** Warning  
**GHS Hazard Phrases:** H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H317 - May cause an allergic skin reaction.  
 H335 - May cause respiratory irritation.  
**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves/eye protection/face protection.  
 P261 - Avoid breathing vapors, mist, or spray.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P271 - Use only outdoors or in a well-ventilated area.  
**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell.  
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P362 - Take off contaminated clothing.  
**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container according to local and national regulations.  
 P405 - Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.  
**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

**Inhalation:** May cause respiratory tract irritation.

**Skin Contact:** Causes skin irritation. May cause sensitization by skin contact. Chronic inhalation or ingestion of silver salts may cause argyria characterized by a permanent blue-gray discoloration of the eyes, skin, mucous membranes, and internal organs.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** May cause nausea and vomiting. No hazard expected in normal industrial use.

**Additional Information**

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
7440-22-4	Silver	70.0 -80.0 %
25068-38-6	Bisphenol-a based epoxy resin	20.0 -30.0 %
98-00-0	Furfuryl alcohol	1.0 -5.0 %
3101-60-8	Oxirane, [[4-(1,1-Dimethylethyl)phenoxy]methyl]-	1.0 -5.0 %
2425-79-8	1,4-Butanedioldiglycidyl ether	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:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. If breathing is difficult, give oxygen.

**In Case of Skin Contact:** Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician. Wash clothing before reuse.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**In Case of Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a physician.

**5. Fire Fighting Measures**

**Flash Pt:** > 93.30 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

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

**Hazardous Combustion Products:** Carbon oxides, Toxic and irritating vapors.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

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

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7440-22-4	Silver	PEL: 0.01 mg/m3	TLV: 0.1 mg/m3	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
98-00-0	Furfuryl alcohol	PEL: 50 ppm	TLV: 10 ppm STEL: 15 ppm	No data.
3101-60-8	Oxirane, [[4-(1,1-Dimethylethyl)phenoxy]methyl]-	No data.	No data.	No data.
2425-79-8	1,4-Butanedioldiglycidyl ether	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 hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Appearance: Silver. Paste.  
Odor: weak odor.

**pH:** No data.

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** > 93.30 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):** <1 MBAR at 25.0 C

**Vapor Density (vs. Air = 1):** >1

**Specific Gravity (Water = 1):** 3.00  
**Solubility in Water:** No data.  
**Octanol/Water Partition Coefficient:** No data.  
**Percent Volatile:** 3.0 % by weight.  
**VOC / Volume:** < 0.0100 G/L  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** No data.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Incompatible materials, High temperatures, ignition sources.  
**Incompatibility - Materials To Avoid:** acids, Oxidizing agents. bases.  
**Hazardous Decomposition or Byproducts:** Carbon oxides, irritating and toxic fumes and gases.  
**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.

### 12. Ecological Information

No data available.

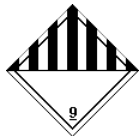
### 13. Disposal Considerations

**Waste Disposal Method:** Observe all federal, state, and local environmental regulations.  
**Waste Disposal Method:** D011

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, n.o.s. Silver  
**DOT Hazard Class:** 9 CLASS 9  
**UN/NA Number:** UN3082 **Packing Group:** III



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

**IMDG/IMO Shipping Name:** Environmentally hazardous substances, liquid, n.o.s.

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

**ICAO/IATA Shipping Name:** Environmentally hazardous substances, liquid, n.o.s.  
**UN Number:** 3082  
**Hazard Class:** 9 - CLASS 9

**Packing Group:** III

**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)
7440-22-4	Silver	No	Yes 1000 LB	Yes-Cat. N740
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
98-00-0	Furfuryl alcohol	No	No	No
3101-60-8	Oxirane, [[4-(1,1-Dimethylethyl)phenoxy]methyl]-	No	No	No
2425-79-8	1,4-Butanedioldiglycidyl ether	No	No	No

**Other US EPA or State Lists**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7440-22-4	Silver	TSCA: Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Inventory
98-00-0	Furfuryl alcohol	TSCA: Inventory
3101-60-8	Oxirane, [[4-(1,1-Dimethylethyl)phenoxy]methyl]-	TSCA: Inventory, 8A
2425-79-8	1,4-Butanedioldiglycidyl ether	TSCA: Inventory, 8A

**16. Other Information**

**Revision Date:** 08/01/2018

**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.