

## 1. Product and Company Identification

**Product Code:** 3228  
**Product Name:** 3228  
**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

**Acute Toxicity: Oral, Category 4**  
**Acute Toxicity: Inhalation, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 2**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
 H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H332 - Harmful if inhaled.  
 H335 - May cause respiratory irritation.  
 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.  
 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+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 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.  
 P310 - Immediately call a POISON CENTER or doctor/physician.  
 P330 - Rinse mouth.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P362 - Take off contaminated clothing and wash before re-use.

**GHS Storage and Disposal Phrases:** P403+233 - Store container tightly closed in well-ventilated place.  
 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 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
28064-14-4	Phenol-Formaldehyde Polymer	15.0 -25.0 %
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-	5.0 -20.0 %
39423-51-3	Alkyl ether amine	0.1 -5.0 %
111-40-0	Diethylenetriamine	0.1 -5.0 %
NA	Proprietary component	0.1 -5.0 %
288-32-4	Imidazole	0.1 -1.0 %
64742-95-6	SC-100 Solvent	0.0 -1.0 %
108-95-2	Phenol	0.0 -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. 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 eyes, skin, and clothing. Avoid ingestion and inhalation. Use only with adequate ventilation. Normal measures for preventive fire protection.

**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
28064-14-4	Phenol-Formaldehyde Polymer	No data.	No data.	No data.
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-	No data.	No data.	No data.
39423-51-3	Alkyl ether amine	No data.	No data.	No data.
111-40-0	Diethylenetriamine	No data.	TLV: 1 ppm	No data.
NA	Proprietary component	No data.	No data.	No data.
288-32-4	Imidazole	No data.	No data.	No data.
64742-95-6	SC-100 Solvent	No data.	No data.	No data.
108-95-2	Phenol	PEL: 5 ppm	TLV: 5 ppm	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 adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Appearance: Gray. 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):** ~1.6

**Solubility in Water:** No data.

**Percent Volatile:** No data.

**Autoignition Pt:** No data.

### 10. Stability and Reactivity

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

**Conditions To Avoid - Instability:** Product will cure at ambient temperatures. Keep in cold storage until ready to use.

**Incompatibility - Materials To Avoid:** Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents.

**Hazardous Decomposition or Byproducts:** Carbon oxides, Nitrogen oxides, Hydrogen cyanide.

**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.

**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)
28064-14-4	Phenol-Formaldehyde Polymer	No	No	No
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-	No	No	No
39423-51-3	Alkyl ether amine	No	No	No
111-40-0	Diethylenetriamine	No	No	No

Revision: 01/26/2016  
Supersedes Revision: 01/18/2016

NA	Proprietary component	No	No	No
288-32-4	Imidazole	No	No	No
64742-95-6	SC-100 Solvent	No	No	No
108-95-2	Phenol	Yes 500 LB	Yes 1000 LB	Yes

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>Other US EPA or State Lists</b>
28064-14-4	Phenol-Formaldehyde Polymer	TSCA: Yes - Inventory
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-	TSCA: Yes - Inventory
39423-51-3	Alkyl ether amine	TSCA: Yes - Inventory
111-40-0	Diethylenetriamine	TSCA: Yes - Inventory
NA	Proprietary component	TSCA: Yes - Inventory
288-32-4	Imidazole	TSCA: Yes - Inventory
64742-95-6	SC-100 Solvent	TSCA: Yes - Inventory
108-95-2	Phenol	TSCA: Yes - Inventory, 4 Test

## 16. Other Information

**Revision Date:** 01/26/2016

**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.