

## 1. Product and Company Identification

**Product Code:** 3234  
**Product Name:** 3234  
**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: Inhalation, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Respiratory Sensitization, Category 1**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H332 - Harmful if inhaled.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 - May cause respiratory irritation.

**GHS Precaution Phrases:** P261 - Avoid breathing 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.  
 P285 - In case of inadequate ventilation wear respiratory 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.  
 P310 - Immediately call a POISON CENTER or doctor/physician.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.  
 P362 - Take off contaminated clothing and wash before re-use.

**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:** Toxic if inhaled. Causes respiratory tract irritation. May cause allergic respiratory reaction.

**Skin Contact:** Causes skin irritation. May cause sensitization by skin contact.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May cause irritation of the digestive tract.

**Additional Information** Percentage of mixture consisting of ingredients of unknown toxicity:73.76

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
101-68-8	Methylenebis(phenylisocyanate)	5.0 -20.0 %
112945-52-5	Silica, amorphous treated	5.0 -10.0 %
3077-13-2	2-Propanol-1,1'-phenylaminobis	1.0 -10.0 %
39310-05-9	Diisocyanate (homopolymer)	1.0 -5.0 %
26447-40-5	Diphenylmethane diisocyanate	0.1 -5.0 %
78-40-0	Triethyl phosphate	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 and shoes. Wash with soap and water. Get medical attention if irritation develops or persists.

**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 attention immediately.

**In Case of Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

**Flash Pt:** > 177.00 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 breathing dust, mist, or vapor. Use with adequate ventilation.

**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
101-68-8	Methylenebis(phenylisocyanate)	CEIL: 0.02 ppm	TLV: 0.005 ppm	No data.
112945-52-5	Silica, amorphous treated	No data.	No data.	No data.
3077-13-2	2-Propanol-1,1'-phenylaminobis	No data.	No data.	No data.
39310-05-9	Diisocyanate (homopolymer)	No data.	No data.	No data.
26447-40-5	Diphenylmethane diisocyanate	No data.	No data.	No data.
78-40-0	Triethyl phosphate	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: amber. Liquid.  
Odor: hydrocarbon-like.

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** > 177.00 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):** ~1.1

**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 oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon oxides, nitrogen oxides (NOx).

**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:** Respiratory and 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)
101-68-8	Methylenebis(phenylisocyanate)	No	Yes 5000 LB	Yes-Cat. N120
112945-52-5	Silica, amorphous treated	No	No	No
3077-13-2	2-Propanol-1,1'-phenylaminobis	No	No	No
39310-05-9	Diisocyanate (homopolymer)	No	No	No
26447-40-5	Diphenylmethane diisocyanate	No	No	Yes-Cat. N106

78-40-0	Triethyl phosphate	No	No	No
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<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>Other US EPA or State Lists</b>		
101-68-8	Methylenebis(phenylisocyanate)	TSCA: Yes - Inventory, 8C		
112945-52-5	Silica, amorphous treated	TSCA: Yes - Inventory		
3077-13-2	2-Propanol-1,1'-phenylaminobis	TSCA: Yes - Inventory		
39310-05-9	Diisocyanate (homopolymer)	TSCA: Yes - Inventory		
26447-40-5	Diphenylmethane diisocyanate	TSCA: Yes - Inventory, 8C		
78-40-0	Triethyl phosphate	TSCA: Yes - Inventory, 8A PAIR, 8C, 8D TERM		

## 16. Other Information

**Revision Date:** 08/01/2017

**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.