

## 1. Product and Company Identification

**Product Code:** 5336  
**Product Name:** 5336  
**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 1B**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Aquatic Toxicity (Chronic), Category 3**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H412 - Harmful to aquatic life with long lasting effects.

**GHS Precautionary 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.  
 P273 - Avoid release to the environment.  
 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.  
 P501 - Dispose of contents/container according to national and local regulations.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.  
**Inhalation:** Harmful if inhaled.  
**Skin Contact:** May cause allergic skin reaction. Causes skin burns.  
**Eye Contact:** Causes eye burns.  
**Ingestion:** May cause irritation of the digestive tract. Harmful if swallowed.  
**Additional Information** No data available.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1344-28-1	Aluminum oxide	50.0 -80.0 %
25068-38-6	Bisphenol-a based epoxy resin	10.0 -20.0 %
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	1.0 -5.0 %
112-55-0	Dodecyl mercaptan (n-)	0.1 -1.0 %
78-83-1	Isobutyl alcohol	0.1 -1.0 %
107-98-2	2-Propanol, 1-Methoxy-	0.1 -1.0 %
NA	Boric Acid Ester	0.1 -1.0 %
1333-86-4	Carbon black	0.1 -1.0 %
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	0.1 -1.0 %
102-71-6	Triethanolamine	0.1 -1.0 %
140-31-8	1-(2-Aminoethyl)piperazine	0.1 -1.0 %
1330-20-7	Xylene (mixed isomers)	0.0 -0.1 %
100-41-4	Ethylbenzene	<100.0 PPM
111-40-0	Diethylenetriamine	<30.0 PPM
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	<10.0 PPM

**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 attention immediately.

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

## 5. Fire Fighting Measures

**Flash Point:** > 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:** Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. 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
1344-28-1	Aluminum oxide	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No data.	No data.	No data.
112-55-0	Dodecyl mercaptan (n-)	No data.	No data.	No data.
78-83-1	Isobutyl alcohol	PEL: 100 ppm	TLV: 50 ppm	No data.
107-98-2	2-Propanol, 1-Methoxy-	No data.	TLV: 100 ppm STEL: 150 ppm	No data.
NA	Boric Acid Ester	No data.	No data.	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-	No data.	No data.	No data.
102-71-6	Triethanolamine	No data.	TLV: 5 mg/m3	No data.
140-31-8	1-(2-Aminoethyl)piperazine	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 20 ppm STEL: 125 ppm	No data.
111-40-0	Diethylenetriamine	No data.	TLV: 1 ppm	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 to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	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.
<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.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	Appearance: Black. Liquid. Odor: amine-like.	
<b>pH:</b>	No data.	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Flash Point:</b>	> 93.00 C	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure:</b>	No data.	
<b>Vapor Density (vs. Air=1):</b>	No data.	
<b>Specific Gravity (Water=1):</b>	~2.38	
<b>Solubility in Water:</b>	No data.	
<b>Saturated Vapor Concentration:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	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, Strong acids.

**Hazardous Decomposition or Byproducts:** Carbon oxides, Nitrogen 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:** Serious eye damage/irritation. Skin corrosion/irritation.

**Sensitization:** Skin sensitization.

## 12. Ecological Information

**General Ecological Information:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN2735 **Packing Group:** III



### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

**UN Number:** UN2735 **Packing Group:** III

**Hazard Class:** 8 - CORROSIVE

**IMDG MFAG Number:**

**Marine Pollutant:** No

### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)

**UN Number:** UN2735 **Packing Group:** III

**Hazard Class:** 8 - CORROSIVE

**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)
1344-28-1	Aluminum oxide	No	No	Yes
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	No
112-55-0	Dodecyl mercaptan (n-)	No	No	No
78-83-1	Isobutyl alcohol	No	Yes NA	No
107-98-2	2-Propanol, 1-Methoxy-	No	No	No
NA	Boric Acid Ester	No	No	No
1333-86-4	Carbon black	No	No	No
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	No	No	No
102-71-6	Triethanolamine	No	No	No
140-31-8	1-(2-Aminoethyl)piperazine	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes NA	Yes
100-41-4	Ethylbenzene	No	Yes NA	Yes
111-40-0	Diethylenetriamine	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No

**California Proposition 65**



**WARNING**

This product can expose you to chemicals including Carbon black and Ethylbenzene, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Yes - Inventory CA PROP.65: No
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory CA PROP.65: No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	TSCA: Yes - Inventory CA PROP.65: No
112-55-0	Dodecyl mercaptan (n-)	TSCA: Yes - Inventory CA PROP.65: No
78-83-1	Isobutyl alcohol	TSCA: Yes - Inventory CA PROP.65: No
107-98-2	2-Propanol, 1-Methoxy-	TSCA: Yes - Inventory CA PROP.65: No
NA	Boric Acid Ester	TSCA: Yes - Inventory CA PROP.65: No
1333-86-4	Carbon black	TSCA: Yes - Inventory CA PROP.65: Yes: Canc.
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	TSCA: Yes - Inventory CA PROP.65: No
102-71-6	Triethanolamine	TSCA: Yes - Inventory, 8D TERM CA PROP.65: No
140-31-8	1-(2-Aminoethyl)piperazine	TSCA: Yes - Inventory CA PROP.65: No

1330-20-7	Xylene (mixed isomers)	TSCA: Yes - Inventory CA PROP.65: No
100-41-4	Ethylbenzene	TSCA: Yes - Inventory CA PROP.65: Yes: Canc.
111-40-0	Diethylenetriamine	TSCA: Yes - Inventory CA PROP.65: No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Yes - Inventory CA PROP.65: No

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>International Regulatory Lists</b>
1344-28-1	Aluminum oxide	REACH: Yes - (P), 01-2119817795-27: Full
25068-38-6	Bisphenol-a based epoxy resin	REACH: Yes - (P)
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	REACH: Yes - (P), 01-2119557899-12: Full
112-55-0	Dodecyl mercaptan (n-)	REACH: Yes - (P), 01-2119491318-31: Full
78-83-1	Isobutyl alcohol	REACH: Yes - (P), 01-2119484609-23: Full
107-98-2	2-Propanol, 1-Methoxy-	REACH: Yes - (P), 01-2119457435-35: Full
NA	Boric Acid Ester	REACH: Yes - (R)
1333-86-4	Carbon black	REACH: Yes - (P), 01-2119384822-32: Full
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	REACH: Yes - (P), 01-2119493630-37: Full
102-71-6	Triethanolamine	REACH: Yes - (P), 01-2119486482-31: Full
140-31-8	1-(2-Aminoethyl)piperazine	REACH: Yes - (P), 01-2119471486-30: Full
1330-20-7	Xylene (mixed isomers)	REACH: Yes - (P), 01-2119488216-32: Full
100-41-4	Ethylbenzene	REACH: Yes - (P), 01-2119489370-35: Full
111-40-0	Diethylenetriamine	REACH: Yes - (P), 01-2119473793-27: Full
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	REACH: Yes - (P), 01-2120922689-41: Intermediate

## 16. Other Information

**Revision Date:** 11/15/2024      **Previous revision:** 02/08/2024

**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.