

## 1. Product and Company Identification

**Product Code:** 7109  
**Product Name:** 7109  
**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 3**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 1**  
**Aquatic Toxicity (Acute), Category 2**  
**Aquatic Toxicity (Chronic), Category 2**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H316 - Causes mild skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H335 - May cause respiratory irritation.  
 H372 - Causes damage to organs through prolonged or repeated exposure.  
 H411 - Toxic to aquatic life with long lasting effects.

**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.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/eye protection/face 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.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
 P314 - Get medical attention/advice if you feel unwell.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage.

**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 irritation.  
**Ingestion:** Harmful if swallowed.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
1344-28-1	Aluminum oxide	30.0 -60.0 %
NA	Polypropylene glycol polymer 1,3 diisocyanatomethylbenzene terminated	20.0 -30.0 %
NA	Polyether polyol mixture	10.0 -20.0 %
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	0.0 -9.0 %
106264-79-3	Mixture of 1,3-benzenediamine, 2-methyl-4,6-bis(methylthio)- and 1,3-benzenediamine, 4-methyl-2,6-b	1.0 -5.0 %
7631-86-9	Silica	0.1 -1.0 %
1330-20-7	Xylene (mixed isomers)	0.1 -1.0 %
1313-59-3	Sodium oxide (Na <sub>2</sub> O)	0.1 -1.0 %
1305-78-8	Calcium oxide	0.1 -1.0 %
100-41-4	Ethylbenzene	0.0 -0.1 %
91-08-7	Toluene-2,6-diisocyanate	0.0 -0.1 %
26545-49-3	Mercury, (neodecanoato-O)phenyl-	0.0 -0.1 %
584-84-9	Toluene-2,4-diisocyanate	0.0 -0.1 %

**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 to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**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.

**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.

**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:** Evacuate area. Wash the spill area clean with a liquid decontaminant. Avoid runoff into storm sewers and ditches which lead to waterways. Provide ventilation. 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:** Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

**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.
NA	Polypropylene glycol polymer 1,3 diisocyanatomethylbenzene terminated	No data.	No data.	No data.
NA	Polyether polyol mixture	No data.	No data.	No data.
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	No data.	No data.	No data.
106264-79-3	Mixture of 1,3-benzenediamine, 2-methyl-4,6-bis(methylthio)- and 1,3-benzenediamine, 4-methyl-2,6-b	No data.	No data.	No data.
7631-86-9	Silica	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
1313-59-3	Sodium oxide (Na2O)	No data.	No data.	No data.
1305-78-8	Calcium oxide	PEL: 5 mg/m3	TLV: 2 mg/m3	No data.
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	No data.
91-08-7	Toluene-2,6-diisocyanate	No data.	No data.	No data.
26545-49-3	Mercury, (neodecanoato-O)phenyl-	No data.	No data.	No data.

584-84-9 Toluene-2,4-diisocyanate

CEIL: 0.02 ppm

TLV: 0.005 ppm

No data.

STEL: 0.02 ppm

**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 adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work/Hygienic/Maintenance Practices:** Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** Appearance: Paste. White.  
Odor: musty hay.

**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):** No data.

**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:** Moisture, Oxidizing agents. Strong bases, Alcohols.

**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.

**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** Not Regulated.

**Name:**

**DOT Hazard Class:**

**UN/NA Number:**

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

**IMDG/IMO Shipping Name:** Not Regulated.

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

**ICAO/IATA Shipping** Not Regulated.

**Name:**

**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
NA	Polypropylene glycol polymer 1,3 diisocyanatomethylbenzene terminated	No	No	No
NA	Polyether polyol mixture	No	No	No
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	No	No	No
106264-79-3	Mixture of 1,3-benzenediamine, 2-methyl-4,6-bis(methylthio)- and 1,3-benzenediamine, 4-methyl-2,6-b	No	No	No
7631-86-9	Silica	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
1313-59-3	Sodium oxide (Na2O)	No	No	No
1305-78-8	Calcium oxide	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes
91-08-7	Toluene-2,6-diisocyanate	Yes 100 LB	Yes 100 LB	Yes
26545-49-3	Mercury, (neodecanoato-O)phenyl-	No	No	Yes-Cat. N458
584-84-9	Toluene-2,4-diisocyanate	Yes 500 LB	Yes 100 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Yes - Inventory
NA	Polypropylene glycol polymer 1,3 diisocyanatomethylbenzene terminated	TSCA: No
NA	Polyether polyol mixture	TSCA: No

63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	TSCA: Yes - Inventory
106264-79-3	Mixture of 1,3-benzenediamine, 2-methyl-4,6-bis(methylthio)- and 1,3-benzenediamine, 4-methyl-2,6-b	TSCA: Yes - 5(e), 12(b)
7631-86-9	Silica	TSCA: Yes - Inventory
1330-20-7	Xylene (mixed isomers)	TSCA: Yes - Inventory
1313-59-3	Sodium oxide (Na <sub>2</sub> O)	TSCA: Yes - Inventory
1305-78-8	Calcium oxide	TSCA: Yes - Inventory
100-41-4	Ethylbenzene	TSCA: Yes - Inventory, 4 Test
91-08-7	Toluene-2,6-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C, 8D TERM
26545-49-3	Mercury, (neodecanoato-O)phenyl-	TSCA: Yes - Inventory
584-84-9	Toluene-2,4-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C

## 16. Other Information

<b>Revision Date:</b>	05/20/2016
<b>Additional Information About This Product:</b>	No data available.
<b>Company Policy or Disclaimer:</b>	Exact percentages have been withheld as a trade secret.