

1. Product and Company Identification

Product Code: 3174
Product Name: 3174
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
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Skin Sensitization, Category 1
Specific Target Organ Toxicity (single exposure), Category 3
Specific Target Organ Toxicity (repeated exposure), Category 2
Germ Cell Mutagenicity, Category 2
Acute Toxicity: Skin, Category 4



GHS Signal Word: Warning

GHS Hazard Phrases: H302 - Harmful if swallowed.
 H312 - Harmful in contact with skin.
 H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H332 - Harmful if inhaled.
 H336 - May cause drowsiness or dizziness.
 H341 - Suspected of causing genetic defects.
 H373 - May cause damage to organs through prolonged or repeated exposure.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 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.

P308+313 - IF exposed or concerned: Get medical attention/advice.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 - Rinse mouth.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
 P337+313 - If eye irritation persists, get 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 local and national regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

Inhalation: Toxic if inhaled. May cause drowsiness or dizziness. May cause respiratory tract irritation.

Skin Contact: Harmful in contact with skin. 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	65.0 -80.0 %
25068-38-6	Bisphenol-a based epoxy resin	15.0 -30.0 %
108-45-2	1,3-Phenylenediamine	1.0 -5.0 %
872-50-4	N-Methyl-2-pyrrolidone	0.5 -5.0 %
2426-08-6	Oxirane, (Butoxymethyl)-	0.0 -1.0 %
1333-86-4	Carbon black	0.0 -1.0 %
65997-17-3	Fibrous glass	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. 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 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:	Use only 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.
108-45-2	1,3-Phenylenediamine	No data.	TLV: 0.1 mg/m3	No data.
872-50-4	N-Methyl-2-pyrrolidone	No data.	No data.	No data.
2426-08-6	Oxirane, (Butoxymethyl)-	PEL: 50 ppm	TLV: 3 ppm	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
65997-17-3	Fibrous glass	No data.	TLV: 1 f/cc (fibers)	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 thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Appearance: Black. 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):	~2.3	
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, Strong acids, Strong bases.
Hazardous Decomposition or Byproducts:	oxides of carbon. 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.
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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Toxic liquids, organic, n.o.s. (Phenylene diamine)
DOT Hazard Class: 6.1 POISON
UN/NA Number: UN2810 **Packing Group:** III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Toxic liquids, organic, n.o.s. (Phenylene diamine)

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Toxic liquids, organic, n.o.s. (Phenylene diamine)

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
108-45-2	1,3-Phenylenediamine	No	No	Yes
872-50-4	N-Methyl-2-pyrrolidone	No	No	Yes
2426-08-6	Oxirane, (Butoxymethyl)-	No	No	No
1333-86-4	Carbon black	No	No	No
65997-17-3	Fibrous glass	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Inventory
108-45-2	1,3-Phenylenediamine	TSCA: Inventory
872-50-4	N-Methyl-2-pyrrolidone	TSCA: Inventory, 4 Test, 12(b)
2426-08-6	Oxirane, (Butoxymethyl)-	TSCA: Inventory, 4 Test, 8A
1333-86-4	Carbon black	TSCA: Inventory
65997-17-3	Fibrous glass	TSCA: Inventory

16. Other Information

Revision Date: 12/07/2017

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.