

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

**Section 1. Identification of the Substance/Mixture and of the Company/Undertaking**

- 1.1 Product Code:** 5315 EU  
**Product Name:** 5315
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
**Relevant identified uses:** Adhesive
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- |                          |  |                                       |
|--------------------------|--|---------------------------------------|
| <b>Company Name:</b>     | Appli-Tec, Inc<br>7 Industrial Way Unit 1<br>Salem, NH 03079 | <b>Phone Number:</b><br>(603)685-0500 |
| <b>Web site address:</b> | www.appli-tec.com  |                                       |
| <b>Information:</b>      | Call Chemtrec for Transport Info.                            | (800)424-9300                         |
- 1.4 Emergency telephone number:**  
**Emergency Contact:** Contact medical emergency services

**Section 2. Hazards Identification**

- 2.1 Classification of the Substance or Mixture:**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Skin Sensitization, Category 1**  
**Carcinogenicity, Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 1**  
**Aquatic Toxicity (Chronic), Category 2**
- 2.2 Label Elements:**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:**

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H351 - Suspected of causing cancer .
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H411 - Toxic to aquatic life with long lasting effects.

**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.

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.

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.

P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

P337+313 - If eye irritation persists, get medical advice/attention.

P362 - Take off contaminated clothing and wash before re-use.

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.

**2.3 Adverse Human Health Effects and Symptoms:**

- 2.3.1 Inhalation:** Harmful if inhaled.
- 2.3.2 Skin Contact:** Causes skin irritation.
- 2.3.3 Eye Contact:** Causes eye irritation.
- 2.3.4 Ingestion:** Harmful if swallowed.
- Additional Information** No data available.

**Section 3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
1344-28-1	Aluminum oxide	60.0 -70.0 %	215-691-6 NA	STOT (SE) 3: H335 H336 STOT (RE) 1: H372
25068-38-6	Bisphenol-a based epoxy resin	30.0 -40.0 %	500-033-5 603-074-00-8	Skin Corr. 2: H315 Skin Sens. 1: H317 Eye Damage 2: H319 Aquatic (C) 2: H411
51365-70-9	Hexanoic acid, 2-ethyl-, compd. with 2,4,6-tris[(dimethylamino)methyl]phenol	1.0 -5.0 %	257-154-9 NA	Skin Corr. 2: H315 Eye Damage 2: H319
1333-86-4	Carbon black	0.0 -1.0 %	215-609-9 NA	Carcinogen 2: H351 STOT (RE) 1: H372

**Additional Information** Exact percentages have been withheld as a trade secret.

## Section 4. First Aid Measures

**4.1 Description of First Aid Measures:**

- 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.

**Note for the Doctor:** Treat symptomatically and supportively.

## Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.
- 5.2 Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** No data available.
- Flash Pt:** > 93.00 C
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- 5.3 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.

## Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** Ensure adequate ventilation. Use proper personal protective equipment as indicated in Section 8. Isolate area and deny entry.
- 6.2 Environmental Precautions:** Do not let product enter drains. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and Material For Containment and Cleaning Up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Use with adequate ventilation. Wash clothing before reuse. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale.
- 7.2 Precautions To Be Taken in Storing:** Store at <= -40deg.C.

**Section 8. Exposure Controls/Personal Protection**

**8.1 Exposure Parameters:**

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
1344-28-1	Aluminum oxide	TWA: 10 mg/m3 (Inhalable dust)	TWA: 10 mg/m3	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
51365-70-9	Hexanoic acid, 2-ethyl-, compd. with 2,4,6-tris[(dimethylamino)methyl]phenol	No data.	No data.	No data.
1333-86-4	Carbon black	TWA: 3.5 mg/m3 () STEL: 7 mg/m3 ()	TWA: 3.5 mg/m3	No data.
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.
51365-70-9	Hexanoic acid, 2-ethyl-, compd. with 2,4,6-tris[(dimethylamino)methyl]phenol	No data.	No data.	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3.5 mg/m3	No data.

**8.2 Exposure Controls:**

**8.2.1 Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**8.2.2 Personal protection equipment:**

- 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.
- 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.
- Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.  
No data available.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:**  Gas  Liquid  Solid

**Appearance and Odor:** Appearance: Black. Paste.  
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):** ~2.1

**Solubility in Water:** No data.

**Autoignition Pt:** No data.

### 9.2 Other Information

**Percent Volatile:** 0.0 % by volume.

## Section 10. Stability and Reactivity

**10.1 Reactivity:** No data available.

**10.2 Stability:** Unstable  Stable

**10.3 Conditions To Avoid** No data available.

**- Hazardous Reactions:**

**Possibility of Hazardous Reactions:** Will occur  Will not occur

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

**- Instability:**

**10.5 Incompatibility - Materials To Avoid:** Oxidizing agents.

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

## Section 11. Toxicological Information

- 11.1 Information on Toxicological Effects:** No data available.
- Sensitization:** Skin sensitization.
- Carcinogenicity/Other Information:** Ingredient CAS# 1333-86-4: IARC: Group 2B carcinogen.

## Section 12. Ecological Information

- 12.1 Toxicity:** No data available.
- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** No data available.

## Section 13. Disposal Considerations

- 13.1 Waste Disposal Method:** Observe all federal, state, and local environmental regulations.

## Section 14. Transport Information

**14.1 LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:**

<b>UN Number:</b>	3082	<b>Packing Group:</b>	III
<b>Hazard Class:</b>	9 - CLASS 9		

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

**IMDG/IMO Shipping Name:** Environmentally Hazardous Substance, Liquid, n.o.s. Liquid Epoxy Resin

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

**ICAO/IATA Shipping Name:** Environmentally Hazardous Substance, Liquid, n.o.s. Liquid Epoxy Resin

## Section 15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Yes - Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
51365-70-9	Hexanoic acid, 2-ethyl-, compd. with 2,4,6-tris[(dimethylamino)methyl]phenol	TSCA: Yes - Inventory
1333-86-4	Carbon black	TSCA: Yes - Inventory

## Section 16. Other Information

**Revision Date:** 08/30/2017

**Additional Information** No data available.

**About This Product:**

**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.