

## 1. Product and Company Identification

**Product Code:** 0238  
**Product Name:** 0238  
**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: Oral, Category 4**  
**Acute Toxicity: Skin, Category 3**  
**Skin Corrosion/Irritation, Category 1C**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Skin Sensitization, Category 1**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
 H311 - Toxic in contact with skin.  
 H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P280 - Wear protective gloves/eye protection/face protection.  
 P260 - Do not breathe vapors, mist, or spray.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P362+364 - Take off contaminated clothing and wash it before reuse.

**GHS Response Phrases:** P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363 - Wash contaminated clothing before reuse.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P310 - Immediately call a poison control center or doctor.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container according to local and national regulations.  
 P405 - Store locked up.

**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 burns. Toxic in contact with skin. May cause allergic skin reaction.  
**Eye Contact:** Causes serious eye damage.  
**Ingestion:** Harmful if swallowed.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
12001-26-2	Mica-group minerals	45.0 -60.0 %
25068-38-6	Bisphenol-a based epoxy resin	35.0 -50.0 %
112-57-2	Tetraethylenepentamine	1.0 -10.0 %
122-60-1	Phenyl glycidyl ether	0.5 -5.0 %
14808-60-7	Quartz	0.0 -1.0 %
1333-86-4	Carbon black	0.0 -1.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	0.0 -0.5 %

**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 advice/attention.

**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 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
12001-26-2	Mica-group minerals	PEL: 706 ppm/20 mppcf	TLV: 3 mg/m3 (R)	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
112-57-2	Tetraethylenepentamine	No data.	No data.	No data.
122-60-1	Phenyl glycidyl ether	PEL: 10 ppm	TLV: 0.1 ppm	No data.
14808-60-7	Quartz	PEL: 8825 ppm/(%SiO2+5)	TLV: 0.05 mg/m3 (R)	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	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 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:** 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.  
Odor: amine-like.

**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):** ~1.6

**Solubility in Water:** No data.

**Percent Volatile:** N.D.

**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, nitrites.

**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.

**Carcinogenicity/Other Information:** Contains material which may cause cancer, based on animal data. Risk depends on level and duration of exposure.

### 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:** (Tetraethylenepentamine)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN2320 **Packing Group:** III



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

**IMDG/IMO Shipping Name:** (Tetraethylenepentamine)

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

**ICAO/IATA Shipping Name:** (Tetraethylenepentamine)

**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)
12001-26-2	Mica-group minerals	No	No	No
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
112-57-2	Tetraethylenepentamine	No	No	No
122-60-1	Phenyl glycidyl ether	No	No	No
14808-60-7	Quartz	No	No	No
1333-86-4	Carbon black	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No

**Other US EPA or State Lists**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
12001-26-2	Mica-group minerals	TSCA: Yes - Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
112-57-2	Tetraethylenepentamine	TSCA: Yes - Inventory
122-60-1	Phenyl glycidyl ether	TSCA: Yes - Inventory, 4 Test, 8A
14808-60-7	Quartz	TSCA: Yes - Inventory
1333-86-4	Carbon black	TSCA: Yes - Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Yes - Inventory

**16. Other Information**

**Revision Date:** 06/15/2017

**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.