

1. Product and Company Identification

Product Code: 0890
Product Name: 0890
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 2
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1A
Toxic To Reproduction, Category 1B
Specific Target Organ Toxicity (repeated exposure), Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H360 - May damage fertility or the unborn child .
 H372 - Causes 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.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/eye protection/face protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 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.
 P362+364 - Take off contaminated clothing and wash it 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.

**Potential Health Effects
(Acute and Chronic):**

Inhalation: Harmful if inhaled.
Skin Contact: May cause mild skin irritation. May cause erythema (redness) and exfoliation.
Eye Contact: Causes redness and pain. Causes eye irritation. May cause chemical conjunctivitis.
Ingestion: This material may be harmful or fatal if swallowed.
Additional Information 32.03% of mixture has unknown acute oral and dermal toxicity.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1332-58-7	Kaolin	20.0 -45.0 %
68911-25-1	Fatty acids, C18-unsatd., dimers, polymers with 3,3'-[oxybis(2,1-ethanediyloxy)]bis[1-propanamine]	15.0 -35.0 %
25068-38-6	Bisphenol-a based epoxy resin	20.0 -30.0 %
7440-50-8	Copper	5.0 -10.0 %
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	0.1 -9.0 %
7440-22-4	Silver	0.1 -5.0 %
108-88-3	Toluene	0.1 -1.0 %
13463-67-7	Titanium dioxide	0.0 -1.0 %
14808-60-7	Quartz	0.0 -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 or give oxygen by trained personnel. 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: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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 alcohol-resistant 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: Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Isolate area and deny entry. Ventilate the area. Discharge into the environment must be avoided. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid ingestion and inhalation. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not breathe dust, mist, or vapor.

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
1332-58-7	Kaolin	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 2 mg/m3 (E,R)	No data.
68911-25-1	Fatty acids, C18-unsatd., dimers, polymers with 3,3'-[oxybis(2,1-ethanedioxy)]bis[1-propanamine]	No data.	No data.	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
7440-50-8	Copper	PEL: 0.1 (fume)/ 1.0 (dust)	TLV: 0.2 mg/m3 (fume) 1 mg/m3(dust/mist)	No data.
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	No data.	No data.	No data.
7440-22-4	Silver	PEL: 0.01 mg/m3	TLV: 0.1 mg/m3 (0.01 mg/m3 sol.cmpds)	No data.
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 20 ppm	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
14808-60-7	Quartz	PEL: 8825 ppm/(%SiO2+5)	TLV: 0.05 mg/m3 (R)	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 minimize contact with skin.
Engineering Controls (Ventilation etc.):	Good general ventilation should be sufficient to control airborne levels. 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 hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Appearance: Gray. 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):	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:	Nitric acid, Ammonia, ethyleneimine, Strong oxidizing agents. Strong oxidizing agents, acids, Amines.	
Hazardous Decomposition or Byproducts:	Nitrogen oxides, Amines, oxides of carbon. hydrocarbons. Aldehydes.	
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.

Carcinogenicity/Other Information: Ingredient CAS# 14808-60-7: IARC: Group 1. NTP: Known to be a human Carcinogen.
Ingredient CAS# 13463-67-7: IARC: Group 2B carcinogen.

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: Not Regulated.
DOT Hazard Class:
UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

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)
1332-58-7	Kaolin	No	No	No
68911-25-1	Fatty acids, C18-unsatd., dimers, polymers with 3,3'-[oxybis(2,1-ethanedioxy)]bis[1-propanamine]	No	No	No
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
7440-50-8	Copper	No	Yes 5000 LB	Yes-Cat. N100
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	No	No	No
7440-22-4	Silver	No	Yes 1000 LB	Yes-Cat. N740
108-88-3	Toluene	No	Yes 1000 LB	Yes
13463-67-7	Titanium dioxide	No	No	No
14808-60-7	Quartz	No	No	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1332-58-7	Kaolin	TSCA: Yes - Inventory
68911-25-1	Fatty acids, C18-unsatd., dimers, polymers with 3,3'-[oxybis(2,1-ethanedioxy)]bis[1-propanamine]	TSCA: Yes - Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
7440-50-8	Copper	TSCA: Yes - Inventory
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	TSCA: Yes - Inventory
7440-22-4	Silver	TSCA: Yes - Inventory

108-88-3 Toluene
13463-67-7 Titanium dioxide
14808-60-7 Quartz

TSCA: Yes - Inventory, 8A CAIR
TSCA: Yes - Inventory
TSCA: Yes - Inventory

Revision: 08/23/2016
Supersedes Revision: 08/20/2015

16. Other Information

Revision Date: 08/23/2016

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.