

1. Product and Company Identification

Product Code: 3189
Product Name: 3189
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 1



GHS Signal Word: Danger
GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
GHS Precaution Phrases: P261 - Avoid breathing vapors, mist, or spray.
 P264 - Wash hands thoroughly after handling.
 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 - Take off contaminated clothing and wash before re-use.
GHS Storage and Disposal Phrases: P501 - Dispose of contents/container according to national and local regulations.

Emergency Overview:

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

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Proprietary epoxy resin	25.0 -50.0 %
NA	Proprietary Butadiene-acrylonitrile copolymer	15.0 -35.0 %
1332-58-7	Kaolin	5.0 -25.0 %
NA	Proprietary Amine Aduct	5.0 -20.0 %
7727-43-7	Barium sulfate	5.0 -10.0 %
NA	Polyglycol diamine, proprietary	1.0 -9.0 %
13463-67-7	Titanium dioxide	1.0 -5.0 %
1317-61-9	Iron oxide	0.1 -5.0 %
NA	Proprietary Substituted Piperazine	0.1 -5.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	0.1 -5.0 %
112945-52-5	Silica, amorphous treated	0.1 -5.0 %
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 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: Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Normal measures for preventive fire protection.

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
NA	Proprietary epoxy resin	No data.	No data.	No data.
NA	Proprietary Butadiene-acrylonitrile copolymer	No data.	No data.	No data.
1332-58-7	Kaolin	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 2 mg/m3 (E,R)	No data.
NA	Proprietary Amine Aduct	No data.	No data.	No data.
7727-43-7	Barium sulfate	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3	No data.
NA	Polyglycol diamine, proprietary	No data.	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
1317-61-9	Iron oxide	No data.	No data.	No data.
NA	Proprietary Substituted Piperazine	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No data.	No data.	No data.
112945-52-5	Silica, amorphous treated	No data.	No data.	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.): 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.

9. Physical and Chemical Properties

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

Appearance and Odor: Appearance: White. 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): ~1.3

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.

Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen oxides, hydrocarbons.

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.

Sensitization: Skin sensitization.

Carcinogenicity/Other Information: 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: Environmentally Hazardous Substance, Liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin)

UN Number: 3082

Packing Group: III

Hazard Class: 9 - CLASS 9

IMDG MFAG Number:

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin)

UN Number: 3082

Packing Group: III

Hazard Class: 9 - CLASS 9

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)
NA	Proprietary epoxy resin	No	No	No
NA	Proprietary Butadiene-acrylonitrile copolymer	No	No	No
1332-58-7	Kaolin	No	No	No
NA	Proprietary Amine Aduct	No	No	No
7727-43-7	Barium sulfate	No	No	Yes-Cat. N040
NA	Polyglycol diamine, proprietary	No	No	No
13463-67-7	Titanium dioxide	No	No	No
1317-61-9	Iron oxide	No	No	No
NA	Proprietary Substituted Piperazine	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No
112945-52-5	Silica, amorphous treated	No	No	No
65997-17-3	Fibrous glass	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Proprietary epoxy resin	TSCA: Yes - Inventory
NA	Proprietary Butadiene-acrylonitrile copolymer	TSCA: No
1332-58-7	Kaolin	TSCA: Yes - Inventory
NA	Proprietary Amine Aduct	TSCA: Yes - Inventory
7727-43-7	Barium sulfate	TSCA: Yes - Inventory
NA	Polyglycol diamine, proprietary	TSCA: No
13463-67-7	Titanium dioxide	TSCA: Yes - Inventory
1317-61-9	Iron oxide	TSCA: Yes - Inventory
NA	Proprietary Substituted Piperazine	TSCA: Yes - Inventory

112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Yes - Inventory
112945-52-5	Silica, amorphous treated	TSCA: Yes - Inventory
65997-17-3	Fibrous glass	TSCA: Yes - Inventory

16. Other Information

Revision Date: 05/20/2016

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.