

1. Product and Company Identification

Product Code: 0194B
Product Name: 0194B
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: Hardener for two part adhesive

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1



GHS Signal Word: Danger
GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
 H317 - May cause an allergic skin reaction.
GHS Precaution Phrases: P260 - Do not breathe vapors, mist, or spray.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves, eye protection, and face protection.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
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 physician.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
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: May cause respiratory tract irritation.
Skin Contact: Causes skin burns. May cause allergic skin reaction.
Eye Contact: Causes serious eye irritation. Prolonged or repeated exposure may cause permanent eye damage.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
68082-29-1	Fatty amidoamine resin	80.0 -90.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	5.0 -10.0 %
61788-32-7	Hydrogenated terphenyls	5.0 -10.0 %
1333-86-4	Carbon black	0.1 -1.0 %
26140-60-3	Terphenyls (o-, m-, p-)	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:** Immediately flush with large amounts of water. Use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention.
- In Case of Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.
- Note to Physician:** Treat symptomatically and supportively.

5. Fire Fighting Measures

- Flash Pt:** > 170.00 C
- Explosive Limits:** LEL: N.D. UEL: N.D.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide, or regular foam.
- Fire Fighting Instructions:** Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water spray to keep fire-exposed containers cool.
- Flammable Properties and Hazards:** No data available.
No data available.

6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Remove all sources of ignition. Ensure adequate ventilation. Isolate area and deny entry. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Discharge into the environment must be avoided.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Use only in a well ventilated area. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid inhalation of vapor or mist.
- Precautions To Be Taken in Storing:** Store in original container until ready for use. Store in cool/well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68082-29-1	Fatty amidoamine resin	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No data.	No data.	No data.
61788-32-7	Hydrogenated terphenyls	No data.	No data.	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
26140-60-3	Terphenyls (o-, m-, p-)	CEIL: 1 ppm	CEIL: 5 mg/m3	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:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Appearance: Black. Liquid. Odor: amine-like.
pH:	NP
Melting Point:	No data.
Boiling Point:	> 176.00 C
Flash Pt:	> 170.00 C
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: N.D. UEL: N.D.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	0.96
Solubility in Water:	Negligible
Percent Volatile:	No data.
VOC / Volume:	NA
Autoignition Pt:	NA

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Excess heat.

Incompatibility - Materials To Avoid: Oxidizing agents, Peroxides. Strong acids, Sodium hypochlorate.

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

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# 1333-86-4: 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: Triethylenetetramine Mixture.

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN2259 **Packing Group:** II



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Triethylenetetramine, C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer)

UN Number: 2735 **Packing Group:** II

Hazard Class: 8 - CORROSIVE **IMDG MFAG Number:**

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Triethylenetetramine Mixture.

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)
68082-29-1	Fatty amidoamine resin	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No
61788-32-7	Hydrogenated terphenyls	No	No	No
1333-86-4	Carbon black	No	No	No
26140-60-3	Terphenyls (o-, m-, p-)	No	No	No

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

68082-29-1	Fatty amidoamine resin	TSCA: Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Inventory
61788-32-7	Hydrogenated terphenyls	TSCA: Inventory
1333-86-4	Carbon black	TSCA: Inventory
26140-60-3	Terphenyls (o-, m-, p-)	TSCA: Inventory

16. Other Information

Revision Date: 11/14/2017

Hazard Rating System:

HEALTH	*	2
FLAMMABILIT		1
PHYSICAL		0
PPE		

HMIS:

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.