

1. Product and Company Identification

Product Code: 1361
Product Name: 1361
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

Flammable Liquids, Category 4
Acute Toxicity: Inhalation, Category 4
Serious Eye Damage/Eye Irritation, Category 1
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H227 - Combustible liquid.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H332 - Harmful if inhaled.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS Precaution Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P261 - Avoid breathing vapors, mist, or spray.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/eye protection/face protection.
 P285 - In case of inadequate ventilation wear respiratory 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.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: P403+235 - Store in cool/well-ventilated place.
 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 toxic effects if inhaled. Causes respiratory tract irritation. May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Eye Contact: Contact with eyes may cause severe irritation, and possible eye burns.

Ingestion: May cause irritation of the digestive tract and possible burns.

Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1760-24-3	Aminoethyl aminopropyl trimethoxysilane	70.0 -90.0 %
74956-86-8	1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]-	5.0 -10.0 %
68845-16-9	N,N'-Bis[3-(trimethoxysilyl)propyl]ethylenediamine	5.0 -10.0 %
NA	Proprietary Oligomers of aminoalkylmethoxysilanes	1.0 -5.0 %
67-56-1	Methanol	0.1 -1.0 %
107-15-3	Ethylenediamine	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.

Note to Physician: Treat symptomatically and supportively.

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.

Unsuitable Extinguishing Media: Do not use water jet.

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 No data available.

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Ventilate area and wash spill site after material pickup is complete. Use a spark-proof tool. Evacuate unnecessary personnel.

7. Handling and Storage

Precautions To Be Taken in Handling: Use with adequate ventilation. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1760-24-3	Aminoethyl aminopropyl trimethoxysilane	No data.	No data.	No data.
74956-86-8	1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]-	No data.	No data.	No data.
68845-16-9	N,N'-Bis[3-(trimethoxysilyl)propyl]ethylenediamine	No data.	No data.	No data.
NA	Proprietary Oligomers of aminoalkylmethoxysilanes	No data.	No data.	No data.
67-56-1	Methanol	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.
107-15-3	Ethylenediamine	PEL: 10 ppm	TLV: 10 ppm	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. (EU).

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 adequate general or local exhaust ventilation to keep airborne concentrations below the permissible 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: [] Gas [X] Liquid [] Solid
Appearance and Odor: Appearance: colorless. Liquid.
 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): ~1.00
Solubility in Water: No data.
Percent Volatile: No data.
Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: ignition sources, Moisture, Excess heat.
Incompatibility - Materials To Avoid: Strong oxidizing agents, Water.
Hazardous Decomposition or Byproducts: Nitrogen oxides, silicon dioxide, Carbon oxides, formaldehyde, methanol.
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.
Sensitization: Respiratory and skin sensitization.

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 Not Regulated.

Name:

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Not Regulated.

Name:

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)
1760-24-3	Aminoethyl aminopropyl trimethoxysilane	No	No	No
74956-86-8	1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]-	No	No	No
68845-16-9	N,N'-Bis[3-(trimethoxysilyl)propyl]ethylenediamine	No	No	No
NA	Proprietary Oligomers of aminoalkylmethoxysilanes	No	No	No
67-56-1	Methanol	No	Yes 5000 LB	Yes
107-15-3	Ethylenediamine	Yes 10000 LB	Yes 5000 LB	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1760-24-3	Aminoethyl aminopropyl trimethoxysilane	TSCA: Yes - Inventory
74956-86-8	1,2-Ethanediamine, N,N-bis[3-(trimethoxysilyl)propyl]-	TSCA: No
68845-16-9	N,N'-Bis[3-(trimethoxysilyl)propyl]ethylenediamine	TSCA: Yes - Inventory
NA	Proprietary Oligomers of aminoalkylmethoxysilanes	TSCA: No
67-56-1	Methanol	TSCA: Yes - Inventory
107-15-3	Ethylenediamine	TSCA: Yes - Inventory

16. Other Information

Revision Date: 07/20/2016

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.