

This SDS complies with the US OSHA HCS 2024.

## 1. Product and Company Identification

**Product Code:** 5327  
**Product Name:** 5327  
**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:** Potting Compound

## 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**Skin Sensitization, Category 1**  
**Germ Cell Mutagenicity, Category 1B**  
**Carcinogenicity, Category 1B**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 1**  
**Aquatic Toxicity (Chronic), Category 3**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H335 - May cause respiratory irritation.  
 H340 - May cause genetic defects .  
 H350 - May cause cancer tate route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.  
 H372 - Causes damage to organs - Lungs. through prolonged or repeated exposure.  
 H412 - Harmful to aquatic life with long lasting effects.

**GHS Precautionary 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.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 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.  
P308+313 - IF exposed or concerned: Get medical attention/advice.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P314 - Get medical attention/advice if you feel unwell.  
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:** P403+233 - Store container tightly closed in well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents/container according to national and local regulations.

**Inhalation:** Causes respiratory tract irritation. Harmful if inhaled. May cause allergic respiratory reaction.

**Skin Contact:** May be harmful if absorbed through the skin. Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Causes skin burns.

**Eye Contact:** Causes eye irritation. 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
1344-28-1	Aluminum oxide	75.0 -85.0 %
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-	5.0 -11.0 %
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	1.0 -5.0 %
NA	Trade Secret material #1	0.1 -2.5 %
2530-83-8	3-Glycidoxypropyltrimethoxysilane	0.1 -1.0 %
NA	Trade Secret material #2	0.1 -1.0 %
NA	Trade Secret ingredient #3	0.1 -1.0 %
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	0.1 -1.0 %
1333-86-4	Carbon black	0.1 -1.0 %
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	0.1 -1.0 %

**Additional Information** Exact percentages have been withheld as a trade secret.

## 4. First Aid Measures

### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	If breathed in, move person into fresh air. Consult a physician. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
<b>In Case of Skin Contact:</b>	Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician. Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing before reuse.
<b>In Case of Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention/advice.
<b>In Case of Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

## 5. Fire Fighting Measures

<b>Flash Point:</b>	> 93.00 C
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.
<b>Flammable Properties and Hazards:</b>	No data available.
<b>Hazardous Combustion Products:</b>	Carbon oxides, No data available.

## 6. Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Wear appropriate protective clothing to minimize contact with skin. Discharge into the environment must be avoided. 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.
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## 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
<b>Precautions To Be Taken in Storing:</b>	Store at -40deg.C.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1344-28-1	Aluminum oxide	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)	No data.
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-	No data.	No data.	No data.
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No data.	No data.	No data.
NA	Trade Secret material #1	No data.	No data.	No data.
2530-83-8	3-Glycidoxypolytrimethoxysilane	No data.	No data.	No data.
NA	Trade Secret material #2	No data.	No data.	No data.
NA	Trade Secret ingredient #3	No data.	No data.	No data.
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	No data.	No data.	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	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 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 ventilation to keep airborne concentrations low. 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 hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

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

**Appearance and Odor:** No data available.

**pH:** No data.

**Melting Point:** No data.

**Boiling Point:** No data. / 0.0 mm Hg

**Flash Point:** > 93.00 C

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure:** No data.

**Vapor Density (vs. Air=1):** No data.

**Specific Gravity (Water=1):** 2.93

**Solubility in Water:** No data.  
**Saturated Vapor Concentration:** No data.  
**Octanol/Water Partition Coefficient:** No data.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** 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, acids, bases, Amines, Acids.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, irritating and toxic fumes and gases, 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.  
**Chronic Toxicological Effects:** May cause genetic effects. Suspected of damaging fertility. Suspected of damaging the unborn child.  
**Carcinogenicity/Other Information:** Contains material which may cause cancer, based on animal data. Risk depends on level and duration of exposure.  
**Carcinogenicity:** NTP? No    IARC Monographs? No    OSHA Regulated? No

## 12. Ecological Information

**General Ecological Information:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN2735 **Packing Group:** III



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

**IMDG/IMO Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)  
**UN Number:** UN2735 **Packing Group:** III  
**Hazard Class:** 8 - CORROSIVE  
**IMDG MFAG Number:**  
**Marine Pollutant:** No

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

**ICAO/IATA Shipping Name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)  
**UN Number:** UN2735 **Packing Group:** III  
**Hazard Class:** 8 - CORROSIVE

### 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)
1344-28-1	Aluminum oxide	No	No	Yes
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-	No	No	No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	No
NA	Trade Secret material #1	No	No	No
2530-83-8	3-Glycidoxypopyltrimethoxysilane	No	No	No
NA	Trade Secret material #2	No	No	No
NA	Trade Secret ingredient #3	No	No	No
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	No	No	No
1333-86-4	Carbon black	No	No	No
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	No	No	No

#### California Proposition 65



#### WARNING

This product can expose you to chemicals including Carbon black, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Yes - Inventory CA PROP.65: No

1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-	TSCA: Yes - Inventory, 4 ECA - Cat., 8A CA PROP.65: No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	TSCA: Yes - Inventory CA PROP.65: No
NA	Trade Secret material #1	TSCA: Yes - Inventory CA PROP.65: No
2530-83-8	3-Glycidoxypopyltrimethoxysilane	TSCA: Yes - Inventory, 8A CA PROP.65: No
NA	Trade Secret material #2	TSCA: Yes - Inventory CA PROP.65: No
NA	Trade Secret ingredient #3	TSCA: Yes - Inventory, 8A PAIR, 8D TERM CA PROP.65: No
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	TSCA: Yes - Inventory, 8A, 8A PAIR CA PROP.65: No
1333-86-4	Carbon black	TSCA: Yes - Inventory CA PROP.65: Yes: Canc.
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	TSCA: Yes - Inventory CA PROP.65: No
<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>International Regulatory Lists</b>
1344-28-1	Aluminum oxide	REACH: Yes - (P), 01-2119817795-27: Full
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-	REACH: Yes - (P), 01-2120819292-58: Full
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	REACH: Yes - (P), 01-2119557899-12: Full
NA	Trade Secret material #1	REACH: Yes - (P), (R): Full
2530-83-8	3-Glycidoxypopyltrimethoxysilane	REACH: Yes - (P), 01-2119513212-58: Full
NA	Trade Secret material #2	REACH: Yes - (P), (R): Full, C2, M2
NA	Trade Secret ingredient #3	REACH: Yes - (P), (R): Full
67762-90-7	Siloxanes and silicones, di-me, reaction products with silica	REACH: Yes - (P)
1333-86-4	Carbon black	REACH: Yes - (P), 01-2119384822-32: Full
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	REACH: Yes - (P), 01-2119493630-37: Full

## 16. Other Information

**Revision Date:** 05/27/2025 **Previous revision:** 02/05/2025

**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.