

## 1. Product and Company Identification

**Product Code:** 5108  
**Product Name:** 5108  
**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

**Carcinogenicity, Category 1B**  
**Skin Corrosion/Irritation, Category 1B**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Skin Sensitization, Category 1**  
**Toxic To Reproduction, Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**



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

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.  
 H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H335 - May cause respiratory irritation.  
 H350 - May cause cancer .  
 H361 - Suspected of damaging fertility or the unborn child .

**GHS Precautionary Phrases:** P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P261 - Avoid breathing vapors, mist, or spray.  
 P264 - Wash hands thoroughly after handling.  
 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.  
 P281 - Use personal protective equipment as required.

**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.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal** P405 - Store locked up.  
**Phrases:** P501 - Dispose of contents/container according to national and local regulations.  
**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.  
**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin Contact:** May be harmful if absorbed through the skin. Causes skin irritation.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** May be harmful if swallowed. Harmful if swallowed.  
**Additional Information** No data available.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-	30.0 -40.0 %
68410-23-1	Polyamide based resin	30.0 -40.0 %
68475-94-5	Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	20.0 -30.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	1.0 -5.0 %
556-52-5	Glycidol	0.1 -1.0 %
106-89-8	Epichlorohydrin	0.1 -1.0 %
1333-86-4	Carbon black	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:** Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Normal measures for preventive fire protection. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Precautions To Be Taken in Storing:** 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
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-	No data.	No data.	No data.
68410-23-1	Polyamide based resin	No data.	No data.	No data.
68475-94-5	Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No data.	No data.	No data.
556-52-5	Glycidol	PEL: 50 ppm	TLV: 2 ppm	No data.
106-89-8	Epichlorohydrin	PEL: 5 ppm	TLV: 0.5 ppm	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. 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: Black.

**pH:** No data.

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** > 93.00 C

**Evaporation Rate:** No data.

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

gas):

<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	~1.1	
<b>Solubility in Water:</b>	No data.	
<b>Saturated Vapor Concentration:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	

Information with regard to primary physical hazard:

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Instability:</b>	Excess heat, Incompatible materials, ignition sources, Moisture.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, acids, Amines, bases.
<b>Hazardous Decomposition or Byproducts:</b>	Nitrogen oxides, Carbon oxides.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

**11. Toxicological Information**

**Toxicological Information:** No data available.  
**Sensitization:** Skin sensitization.

**12. Ecological Information**

No data available.

**13. Disposal Considerations**

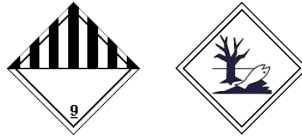
**Waste Disposal Method:** Observe all federal, state, and local environmental regulations.

**14. Transport Information**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.  
**DOT Hazard Class:**  
**UN/NA Number:**

**Packing Group:** III



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

**IMDG/IMO Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty Acid, C-18-unsatd., dimers, reaction products with polyethylenepolyamines)  
**UN Number:** 3082  
**Hazard Class:** 9 - CLASS 9

**Packing Group:** III

**IMDG EMS Page:**

**IMDG MFAG Number:**  
**Marine Pollutant:** Yes

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

**ICAO/IATA Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty Acid, C-18-unsatd., dimers, reaction products with polyethylenepolyamines)  
**UN Number:** 3082  
**Hazard Class:** 9 - CLASS 9

**Packing Group:** III

**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)
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-	No	No	No
68410-23-1	Polyamide based resin	No	No	No
68475-94-5	Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No
556-52-5	Glycidol	No	No	Yes
106-89-8	Epichlorohydrin	Yes 1000 LB	Yes NA	Yes
1333-86-4	Carbon black	No	No	No

**California Proposition 65**



**WARNING**

This product can expose you to chemicals including Epichlorohydrin, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). This product can expose you to chemicals including Glycidol and Carbon black, which are 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
1675-54-3	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-	TSCA: Inventory, 8A
68410-23-1	Polyamide based resin	TSCA: Inventory
68475-94-5	Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	TSCA: Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Inventory
556-52-5	Glycidol	TSCA: Inventory, 8A CA PROP.65: Yes: Canc.
106-89-8	Epichlorohydrin	TSCA: Inventory CA PROP.65: Yes: Canc+RTox(M)
1333-86-4	Carbon black	TSCA: Inventory CA PROP.65: Yes: Canc.

**16. Other Information**

**Revision Date:** 08/23/2022

**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.