

1. Product and Company Identification

Product Code: 0559
Product Name: 0559
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 2A
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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.
 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+341 - IF INHALED: If breathing is difficult, remove 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.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
 P337+313 - If eye irritation persists, get medical advice/attention.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 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.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

**Potential Health Effects
(Acute and Chronic):**

Inhalation: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Contact: Causes skin irritation. May cause allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed.

Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
2210-79-9	Oxirane, [(2-Methylphenoxy)methyl]-	20.0 -45.0 %
NA	Proprietary epoxy resin	20.0 -45.0 %
65997-17-3	Fibrous glass	5.0 -25.0 %
NA	Other anhydrides, proprietary	5.0 -15.0 %
89-32-7	1,2,4,5-Benzenetetracarboxylic anhydride	5.0 -15.0 %
1344-09-8	Sodium silicate	1.0 -5.0 %
NA	Proprietary Organic Acid	0.1 -5.0 %
7775-19-1	Boric acid (HBo2), Sodium salt	0.1 -1.0 %
7732-18-5	Water	0.1 -1.0 %
1333-86-4	Carbon black	0.0 -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 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: Avoid contact with skin and eyes. Normal measures for preventive fire protection. Wash thoroughly after handling. Do not ingest or inhale.

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
2210-79-9	Oxirane, [(2-Methylphenoxy)methyl]-	No data.	No data.	No data.
NA	Proprietary epoxy resin	No data.	No data.	No data.
65997-17-3	Fibrous glass	No data.	TLV: 1 f/cc (fibers)	No data.
NA	Other anhydrides, proprietary	No data.	No data.	No data.
89-32-7	1,2,4,5-Benzenetetracarboxylic anhydride	No data.	No data.	No data.
1344-09-8	Sodium silicate	No data.	No data.	No data.
NA	Proprietary Organic Acid	No data.	No data.	No data.
7775-19-1	Boric acid (HBo2), Sodium salt	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3.5 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 minimize contact with skin.
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:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid	
Appearance and Odor:	Appearance: Black. 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):	~0.66	
Solubility in Water:	No data.	
Percent Volatile:	No data.	
Autoignition Pt:	No data.	

10. Stability and Reactivity

Stability:	Unstable <input checked="" type="checkbox"/> Stable <input type="checkbox"/>
Conditions To Avoid - Instability:	Product will cure at ambient temperatures. Keep in cold storage until ready to use.
Incompatibility - Materials To Avoid:	Oxidizing materials, Alcohols, Strong bases, Water.
Hazardous Decomposition or Byproducts:	Carbon oxides, Nitrogen oxides.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information: CAS# 1344-09-8:
Acute toxicity, LD50, Oral, Species: Mammal, 2000. mg/kg.
Result:
Behavioral: Somnolence (general depressed activity).
Gastrointestinal: Peritonitis.
- Federal Register., U.S. Government Printing Office, Supt. of Documents, Washington, DC 20402, Vol/p/yr: 70,43417, 2005

CAS# 7775-19-1:
Acute toxicity, LD50, Oral, Rat, 2330. MG/KG.
Result:
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.
Tumorigenic: Tumors at site of application.
- Pesticide Manual., The British Crop Protection Council, 20 Bridport Rd., Thornton Heath CR4 7QG UK, Vol/p/yr: 9,88, 1991

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

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Epoxy 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. (Epoxy 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)
2210-79-9	Oxirane, [(2-Methylphenoxy)methyl]-	No	No	No
NA	Proprietary epoxy resin	No	No	No
65997-17-3	Fibrous glass	No	No	No
NA	Other anydrides, proprietary	No	No	No

Revision: 01/04/2016
Supersedes Revision: 05/21/2015

89-32-7	1,2,4,5-Benzenetetracarboxylic anhydride	No	No	No
1344-09-8	Sodium silicate	No	No	No
NA	Proprietary Organic Acid	No	No	No
7775-19-1	Boric acid (HBo2), Sodium salt	No	No	No
7732-18-5	Water	No	No	No
1333-86-4	Carbon black	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
2210-79-9	Oxirane, [(2-Methylphenoxy)methyl]-	TSCA: Yes - Inventory, 4 Test, 8A
NA	Proprietary epoxy resin	TSCA: Yes - Inventory
65997-17-3	Fibrous glass	TSCA: Yes - Inventory
NA	Other anhydrides, proprietary	TSCA: No
89-32-7	1,2,4,5-Benzenetetracarboxylic anhydride	TSCA: Yes - Inventory, 4 Test
1344-09-8	Sodium silicate	TSCA: Yes - Inventory
NA	Proprietary Organic Acid	TSCA: No
7775-19-1	Boric acid (HBo2), Sodium salt	TSCA: Yes - Inventory
7732-18-5	Water	TSCA: Yes - Inventory
1333-86-4	Carbon black	TSCA: Yes - Inventory

16. Other Information

Revision Date: 01/04/2016

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.