

1. Product and Company Identification

Product Code: 5211
Product Name: 5211
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 1B
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1B
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.
 H340 - May cause genetic defects .
 H350 - May cause cancer .
 H372 - Causes damage to organs through prolonged or repeated exposure.
 H412 - Harmful to aquatic life with long lasting effects.

GHS Precaution 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.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/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.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P333+313 - If skin irritation or rash occurs, seek 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.

Potential Health Effects (Acute and Chronic):

Inhalation: Harmful if inhaled.

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

Eye Contact: 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
7440-02-0	Nickel	70.0 -80.0 %
25068-38-6	Bisphenol-a based epoxy resin	10.0 -20.0 %
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	5.0 -10.0 %
2425-79-8	1,4-Butanedioldiglycidyl ether	1.0 -5.0 %
2082-79-3	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester	0.1 -1.0 %
2530-83-8	3-Glycidoxypropyltrimethoxysilane	0.1 -1.0 %
98-00-0	Furfuryl alcohol	0.1 -1.0 %
64742-95-6	SC-100 Solvent	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:

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: 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 eyes, skin, and clothing. Avoid ingestion and inhalation. Use only with adequate ventilation.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7440-02-0	Nickel	PEL: 1 mg/m3	TLV: 1.5 mg/m3 (Inhalation)	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No data.	No data.	No data.
2425-79-8	1,4-Butanedioldiglycidyl ether	No data.	No data.	No data.
2082-79-3	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester	No data.	No data.	No data.
2530-83-8	3-Glycidoxypropyltrimethoxysilane	No data.	No data.	No data.
98-00-0	Furfuryl alcohol	PEL: 50 ppm	TLV: 10 ppm STEL: 15 ppm	No data.
64742-95-6	SC-100 Solvent	No data.	No data.	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.): Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Appearance: Gray. 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):	~2.7	
Solubility in Water:	No data.	
Percent Volatile:	No data.	
Autoignition Pt:	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, Strong reducing agents.
Hazardous Decomposition or Byproducts:	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.

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: 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).

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Amines, liquid, corrosive, n.o.s. (polyoxypropylenediamine).

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)
7440-02-0	Nickel	No	Yes 100 LB	Yes
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	No
2425-79-8	1,4-Butanedioldiglycidyl ether	No	No	No
2082-79-3	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester	No	No	No
2530-83-8	3-Glycidoxypolytrimethoxysilane	No	No	No
98-00-0	Furfuryl alcohol	No	No	No
64742-95-6	SC-100 Solvent	No	No	No
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7440-02-0	Nickel	TSCA: Yes - Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Yes - Inventory
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	TSCA: Yes - Inventory
2425-79-8	1,4-Butanedioldiglycidyl ether	TSCA: Yes - Inventory, 4 Test, 8A
2082-79-3	Benzenepropanoic acid,	TSCA: Yes - Inventory

	3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester	
2530-83-8	3-Glycidoxypropyltrimethoxysilane	TSCA: Yes - Inventory, 4 Test, 8A
98-00-0	Furfuryl alcohol	TSCA: Yes - Inventory
64742-95-6	SC-100 Solvent	TSCA: Yes - Inventory
25322-69-4	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-	TSCA: Yes - Inventory

16. Other Information

Revision Date:	08/20/2015
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.