

1. Product and Company Identification

Product Code: 0522
Product Name: 0522
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

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 1

Skin Sensitization, Category 1

Germ Cell Mutagenicity, Category 2

Skin Corrosion/Irritation, Category 1B

Acute Toxicity: Oral, Category 4



GHS Signal Word: **Danger**

GHS Hazard Phrases:

H302 - Harmful if swallowed.
 H314 - Causes severe skin burns and eye damage.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H341 - Suspected of causing genetic defects.

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.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth.
 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.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:

P405 - Store locked up.
 P501 - Dispose of contents/container according to national and local regulations.

Inhalation: Harmful if inhaled.
Skin Contact: Causes skin irritation. May cause sensitization by skin contact.
Eye Contact: Can cause severe eye irritation.
Ingestion: Harmful if swallowed.

Additional Information

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7440-22-4	Silver	50.0 -75.0 %
25068-38-6	Bisphenol-a based epoxy resin	9.0 -30.0 %
26950-63-0	Triethylene-tetramine	4.0 -6.0 %
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	0.1 -1.0 %
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	0.1 -1.0 %
71074-89-0	bis[(dimethylamino)methyl]phenol	0.1 -1.0 %

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

4. First Aid Measures

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician. Take off contaminated clothing and shoes immediately. Take victim immediately to hospital.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed: No data available.

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 alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Further information. No data available.

Flammable Properties and Hazards: No data available. Nature of decomposition products not known. Carbon oxides, nitrogen oxides (NOx).

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Avoid breathing vapors, mist or gas. Use personal protective equipment. Ensure adequate ventilation. Wear respiratory protection.

Environmental Precautions: Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep up and shovel. Keep in suitable, closed containers for disposal. Soak up with inert absorbent material and dispose of as hazardous waste.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Wash thoroughly after handling.

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
7440-22-4	Silver	PEL: 0.01 mg/m3	TWA: 0.1 mg/m3 (0.01 mg/m3 sol.cmpds) (Fume or dust)	No data.
25068-38-6	Bisphenol-a based epoxy resin	No data.	No data.	No data.
26950-63-0	Triethylene-tetramine	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No data.	No data.	No data.
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Pheno l	No data.	No data.	No data.
71074-89-0	bis[(dimethylamino)methyl]phenol	No data.	No data.	No data.

Respiratory Equipment (Specify Type): If exposure limits are exceeded, or irritation is experienced, approved respiratory protection should be worn.

Eye Protection: Safety glasses.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Wear appropriate clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Environmental Exposure Controls: Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

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

Appearance and Odor: Appearance: Silver. Paste.
Odor: amine-like.

pH: No data.

Melting Point: NR

Boiling Point: NR

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):	No data.
Density:	3.0 G/CC
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	NR
Viscosity:	No data.
Explosive Properties:	No data available.
Information on other hazards:	No data available.
Information with regard to primary physical hazard:	

10. Stability and Reactivity

Reactivity:	No data available.
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:	Oxygen, Strong acids, Strong oxidizing agents, acids, Amines, bases.
Hazardous Decomposition or Byproducts:	Hazardous decomposition products formed under fire conditions. Silver/silver 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: Skin corrosion/irritation. Skin sensitization.
Sensitization: Skin sensitization.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s. (Triethylenetetramine, 2,4,6-Tris(dimethyl amino methyl) phenol)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** II



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Corrosive liquids, n.o.s. (Triethylenetetramine, 2,4,6-Tris(dimethyl amino methyl) phenol)
UN Number: UN1760 **Packing Group:** II
Hazard Class: 8 - CORROSIVE

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Corrosive liquids, n.o.s. (Triethylenetetramine, 2,4,6-Tris(dimethyl amino methyl) phenol)
UN Number: UN1760 **Packing Group:** II
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)
7440-22-4	Silver	No	Yes NA	Yes-Cat. N740
25068-38-6	Bisphenol-a based epoxy resin	No	No	No
26950-63-0	Triethylene-tetramine	No	No	No
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	No	No	No
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	No	No	No
71074-89-0	bis[(dimethylamino)methyl]phenol	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7440-22-4	Silver	TSCA: Inventory
25068-38-6	Bisphenol-a based epoxy resin	TSCA: Inventory
26950-63-0	Triethylene-tetramine	TSCA: Inventory
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	TSCA: Inventory
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	TSCA: Inventory

71074-89-0 bis[[dimethylamino)methyl]phenol

TSCA: Inventory

Revision: 08/07/2023
Supersedes Revision: 05/16/2022

16. Other Information

Revision Date: 08/07/2023 **Previous revision:** 05/16/2022

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.