

1. Product and Company Identification

Product Code: 5230
Product Name: 5230
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 1A-1C
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Specific Target Organ Toxicity (single exposure), Category 1
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.
 H370 - Causes damage to organs - Respiratory irritation, Lungs.
 H372 - Causes damage to organs - Eyes:, Respiratory irritation. through prolonged or repeated exposure.
 H412 - Harmful to aquatic life with long lasting effects.

GHS Precautionary Phrases: 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.
 P307+311 - IF exposed: 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.
 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.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Inhalation: Harmful if inhaled.
Skin Contact: Causes skin irritation. May cause allergic skin reaction.
Eye Contact: Causes eye irritation.
Ingestion: Harmful if swallowed.
Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7440-22-4	Silver	<70.0 %
28064-14-4	Phenol-Formaldehyde Polymer	15.0 -20.0 %
30499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	1.0 -5.0 %
2855-13-2	Isophoronediamine	1.0 -5.0 %
2530-83-8	3-Glycidoxypropyltrimethoxysilane	0.1 -1.0 %
124-04-9	Adipic acid	0.1 -1.0 %
1477-55-0	1,3-Benzenedimethanamine	0.1 -1.0 %
15520-10-2	1,5-Pentanediamine, 2-methyl-	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.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Point: > 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: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

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.compds) (Fume or dust)	No data.
28064-14-4	Phenol-Formaldehyde Polymer	No data.	No data.	No data.
30499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	No data.	No data.	No data.
2855-13-2	Isophoronediamine	No data.	No data.	No data.
2530-83-8	3-Glycidoxypropyltrimethoxysilane	No data.	No data.	No data.
124-04-9	Adipic acid	No data.	TLV: 5 mg/m3	No data.
1477-55-0	1,3-Benzenedimethanamine	No data.	CEIL: mg/m3	No data.
15520-10-2	1,5-Pentanediamine, 2-methyl-	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 general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

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: Silver. Paste.
Odor: amine-like.

pH: No data.

Melting Point: No data.

Boiling Point: No data.

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):	~2.98	
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 [<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:	Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents, Amines, Oxidizing agents.	
Hazardous Decomposition or Byproducts:	Carbon oxides, Aldehydes, oxides of sulfur.	
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: 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: AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine), Isophoronediamine)
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. (m-phenylenebis(methylamine), Isophoronediamine)
UN Number: UN2735 **Packing Group:** III
Hazard Class: 8 - CORROSIVE

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Isophoronediamine)
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)
7440-22-4	Silver	No	Yes NA	Yes-Cat. N740
28064-14-4	Phenol-Formaldehyde Polymer	No	No	No
30499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	No	No	No
2855-13-2	Isophoronediamine	No	No	No
2530-83-8	3-Glycidoxypropyltrimethoxysilane	No	No	No
124-04-9	Adipic acid	No	Yes NA	No
1477-55-0	1,3-Benzenedimethanamine	No	No	No
15520-10-2	1,5-Pentanediamine, 2-methyl-	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7440-22-4	Silver	TSCA: Yes - Inventory CA PROP.65: No
28064-14-4	Phenol-Formaldehyde Polymer	TSCA: Yes - Inventory CA PROP.65: No

30499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	TSCA: Yes - Inventory CA PROP.65: No
2855-13-2	Isophoronediamine	TSCA: Yes - Inventory CA PROP.65: No
2530-83-8	3-Glycidoxypropyltrimethoxysilane	TSCA: Yes - Inventory, 8A CA PROP.65: No
124-04-9	Adipic acid	TSCA: Yes - Inventory CA PROP.65: No
1477-55-0	1,3-Benzenedimethanamine	TSCA: Yes - Inventory, 4 ECA - Cat. CA PROP.65: No
15520-10-2	1,5-Pentanediamine, 2-methyl-	TSCA: Yes - Inventory CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
7440-22-4	Silver	REACH: Yes - (P), 01-2119555669-21: Full
28064-14-4	Phenol-Formaldehyde Polymer	REACH: Yes - (P)
30499-70-8	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl)oxirane	REACH: Yes - (P)
2855-13-2	Isophoronediamine	REACH: Yes - (P), 01-2119514687-32: Full
2530-83-8	3-Glycidoxypropyltrimethoxysilane	REACH: Yes - (P), 01-2119513212-58: Full
124-04-9	Adipic acid	REACH: Yes - (P), 01-2119457561-38: Full
1477-55-0	1,3-Benzenedimethanamine	REACH: Yes - (P), 01-2119480150-50: Full
15520-10-2	1,5-Pentanediamine, 2-methyl-	REACH: Yes - (P), 01-2119976310-41: Full

16. Other Information

Revision Date: 05/14/2024

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.