

1. Product and Company Identification

Product Code: 3450B
Product Name: 3450B
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

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Carcinogenicity, Category 2



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.
 H351 - Suspected of causing cancer .

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.
 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+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.
 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.

Potential Health Effects (Acute and Chronic): Hazards not otherwise classified (HNOC) or not covered by GHS -none.

Inhalation: Inhalation of material may be harmful.

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

Eye Contact: Causes serious eye damage.

Ingestion: Harmful if swallowed.

Additional Information

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
140-31-8	1-(2-Aminoethyl)piperazine	30.0 -40.0 %
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	20.0 -30.0 %
13463-67-7	Titanium dioxide	< 1.0 %
25085-99-8	Oxirane, 2,2'-[[1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-, homopolymer	< 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: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

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

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

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.

Flammable Properties and Hazards: Carbon oxides.

Hazardous Combustion Products: No data available.

Products:

6. Accidental Release Measures

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

Steps To Be Taken In Case Material Is Released Or Spilled: 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. Avoid inhalation of vapor or mist.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
140-31-8	1-(2-Aminoethyl)piperazine	No data.	No data.	No data.
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	No data.	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m ³	TWA: 10 mg/m ³ (Total dust)	No data.
25085-99-8	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	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.): Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

9. Physical and Chemical Properties

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

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

pH: No data.

Melting Point: 0.00 C

Boiling Point: 0.00 C - 0.00 C

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: 1 G/CC
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.

Explosive Properties: No data available.
Oxidizing Properties: No data available.
Information with regard to primary physical hazard:

10. Stability and Reactivity

Reactivity: No data available.
Stability: Unstable [] Stable []
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition or Byproducts: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur []
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.
Irritation or Corrosion: Skin corrosion/irritation.
Sensitization: May cause sensitisation by skin contact.
Carcinogenicity/Other Information: Carcinogenicity.

12. Ecological Information

General Ecological Information: No data available.
Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Persistence and Degradability: Biodegradability: aerobic -Exposure time Result: 0 % -Not readily biodegradable. - Not readily biodegradable. No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects. No data available.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container according to local, state and federal environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (Aminoethylpiperazine solution)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3267 **Packing Group:** III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Aminoethylpiperazine Solution)
UN Number: UN3267 **Packing Group:** III
Hazard Class: 8 - CORROSIVE

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Aminoethylpiperazine Solution)
UN Number: UN3267 **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)
140-31-8	1-(2-Aminoethyl)piperazine	No	No	No
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	No	No	No
13463-67-7	Titanium dioxide	No	No	No
25085-99-8	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-, homopolymer	No	No	No

California Proposition 65



WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
140-31-8	1-(2-Aminoethyl)piperazine	TSCA: Inventory
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	TSCA: Inventory
13463-67-7	Titanium dioxide	TSCA: Inventory CA PROP.65: Yes: Canc.
25085-99-8	Oxirane, 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxym ethylene)]bis-, homopolymer	TSCA: Inventory

16. Other Information

Revision Date: 01/27/2023

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.