

SAFETY DATA SHEET 0233B

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Revision: 06/15/2017 Supersedes Revision: 06/10/2016

1. Product and Company Identification

Product Code: 0233B Product Name: 0233B

Company Name: Appli-Tec, Inc Phone Number: 7 Industrial Way Unit 1 (603)685-0500

Salem, NH 03079

Web site address: www.appli-tec.com

Emergency Contact: Contact medical emergency services

Information: Call Chemtrec for Transport Info. (800)424-9300

Intended Use: Hardener for two part adhesive

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 3
Skin Corrosion/Irritation, Category 1C

Serious Eye Damage/Eye Irritation, Category 1

Skin Sensitization, Category 1





GHS Signal Word: Danger

GHS Hazard Phrases: H302 - Harmful if swallowed.

H311 - Toxic in contact with skin.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves, eye and face protection.

P260 - Do not breathe vapors, mist, or spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

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. P363 - Wash contaminated clothing before reuse.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a

position comfortable for breathing.

P310 - Immediately call a poison control center or physician.

P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

GHS Storage and Disposal P501 - Dispose of contents/container according to national and local regulations.

Phrases: P405 - Store locked up.

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



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Potential Health Effects (Acute and Chronic):

Inhalation: Vapors are extremely irritating.

Skin Contact: Toxic in contact with skin. Corrosive, causes skin burning. May cause an allergic

skin reaction.

Eye Contact: Corrosive to the eyes and may cause severe damage including blindness.

Ingestion: Harmful if swallowed. Corrosive to mouth, throat and stomach.

Additional Information No data available.

3. Composition/Information on Ingredients

CAS # Hazardous Components (Chemical Name) Concentration

112-57-2 Tetraethylenepentamine 90.0 -100.0 %

112-24-3 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- 1.0 -5.0 %

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: 160.00 C

Explosive Limits: LEL: N.A. UEL: N.A.

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 No data available.

Hazards:

Hazardous Combustion No

No data available.

Products:

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6. Accidental Release Measures

Material Is Released Or Spilled:

Steps To Be Taken In Case 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:

Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing.

Do not breathe vapor. Wash thoroughly after handling.

Precautions To Be Taken

Store in a cool, dry, well-ventilated area away from incompatible substances.

in Storing:

8. Exposure Controls/Personal Protection

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
112-57-2	Tetraethylenepentamine	No data.	No data.	No data.
112-24-3	1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)-	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.

Safety glasses. **Eye Protection:**

Wear appropriate protective gloves to prevent skin exposure. **Protective Gloves:** 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 process enclosure, local exhaust ventilation, or

other engineering controls to control airborne levels below recommended

exposure limits.

Work/Hygienic/Maintenanc Handle in accordance with good industrial hygiene and safety practice. Wash e Practices:

thoroughly after handling.

9. Physical and Chemical Properties

[X] Liquid [] Solid Physical States:

Appearance: amber. Liquid. Appearance and Odor:

Odor: amine-like.

No data. **Melting Point:** No data. **Boiling Point:** Flash Pt: 160.00 C **Evaporation Rate:** No data.

No data available. Flammability (solid, gas):

Explosive Limits: LEL: N.A. UEL: N.A.

Vapor Pressure (vs. Air or No data.

mm Hq):

Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = ~1.0

1):

Solubility in Water: No data. APPLI-TEC

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Percent Volatile: No data.

Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X] Conditions To Avoid - Heat, Incompatible materials.

Instability:

Incompatibility - Materials nitrites.

To Avoid:

Hazardous Decomposition Carbon oxides, Nitrogen oxides.

or Byproducts:

Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid - No data available.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: No data available.

Irritation or Corrosion: Skin corrosion/irritation. Serious eye damage/irritation.

Sensitization: Skin sensitization.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Observe all federal, state, and local environmental regulations.

Waste Disposal Method: D002

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping (Tetraethylenepentamine)

Name:

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN2320 Packing Group: III

CORROSIVE 8

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: (Tetraethylenepentamine)

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping (Tetraethylenepentamine)

Name:



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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)

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

112-57-2 Tetraethylenepentamine TSCA: Yes - Inventory 112-24-3 1,2-Ethanediamine, N,N'-Bis(2-aminoethyl)- TSCA: Yes - Inventory

16. Other Information

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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.