

1. Product and Company Identification

Product Code: 3244A
Product Name: 3244A
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: Hardener for two part adhesive

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 2
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Specific Target Organ Toxicity (single exposure), Category 3
Specific Target Organ Toxicity (repeated exposure), Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 - May cause respiratory irritation.
 H372 - Causes damage to organs through prolonged or repeated exposure.

GHS Precaution 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.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/eye protection/face protection.
 P285 - In case of inadequate ventilation wear respiratory protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P341 - If breathing is difficult, remove 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.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
 P337+313 - If eye irritation persists, get medical advice/attention.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases: P403+233 - Store container tightly closed in well-ventilated place.
 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):**

Inhalation: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Eye Contact: Causes eye irritation.

Ingestion: Harmful if swallowed.

Additional Information 40% of mixture has unknown acute oral toxicity.
40% of mixture has unknown acute inhalation toxicity.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Proprietary Urethane Prepolymer	30.0 -60.0 %
9016-87-9	Polymeric diphenylmethane diisocyanate	10.0 -30.0 %
14807-96-6	Talcum	10.0 -30.0 %
26447-40-5	Diphenylmethane diisocyanate	1.0 -10.0 %
7631-86-9	Silica	0.0 -5.0 %
1313-59-3	Sodium oxide (Na ₂ O)	0.0 -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: >= 367.00 F

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. Normal measures for preventive fire protection.

Precautions To Be Taken in Storing: Store away from oxidizers. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Proprietary Urethane Prepolymer	No data.	No data.	No data.
9016-87-9	Polymeric diphenylmethane diisocyanate	No data.	No data.	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m ³ (non-asbestos)	No data.
26447-40-5	Diphenylmethane diisocyanate	No data.	No data.	No data.
7631-86-9	Silica	No data.	No data.	No data.
1313-59-3	Sodium oxide (Na ₂ O)	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 exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

9. Physical and Chemical Properties

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

Appearance and Odor: Appearance: Brown. Paste.
Odor: weak odor.

Melting Point: No data.

Boiling Point: No data.

Flash Pt: >= 367.00 F

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): ~1.3

Solubility in Water: No data.

Percent Volatile: No data.

Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: Strong oxidizing agents. Amines, Alcohols, Water, Strong acids, Strong bases.

Hazardous Decomposition or Byproducts: No data available.

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.

Sensitization: Respiratory and 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: Not Regulated.

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Polymethylene Polyphenylene Isocyanate)

UN Number: 3082 **Packing Group:** III

Hazard Class: 9 - CLASS 9

IMDG MFAG Number:

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Polymethylene Polyphenylene Isocyanate)

UN Number: 3082 **Packing Group:** III

Hazard Class: 9 - CLASS 9

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)
NA	Proprietary Urethane Prepolymer	No	No	No
9016-87-9	Polymeric diphenylmethane diisocyanate	No	No	Yes-Cat. N120
14807-96-6	Talcum	No	No	No
26447-40-5	Diphenylmethane diisocyanate	No	No	Yes-Cat. N106
7631-86-9	Silica	No	No	No
1313-59-3	Sodium oxide (Na ₂ O)	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Proprietary Urethane Prepolymer	TSCA: Yes - Inventory
9016-87-9	Polymeric diphenylmethane diisocyanate	TSCA: Yes - Inventory, 8C, 8D TERM
14807-96-6	Talcum	TSCA: Yes - Inventory
26447-40-5	Diphenylmethane diisocyanate	TSCA: Yes - Inventory, 8C
7631-86-9	Silica	TSCA: Yes - Inventory
1313-59-3	Sodium oxide (Na ₂ O)	TSCA: Yes - Inventory

16. Other Information

Revision Date: 05/06/2016

Additional Information No data available.

About This Product:

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.