

1. Product and Company Identification

Product Code: 3104
Product Name: 3104
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

Carcinogenicity, Category 2
Acute Toxicity: Inhalation, Category 1
Specific Target Organ Toxicity (repeated exposure), Category 1
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1B
Respiratory Sensitization, Category 1
Toxic To Reproduction, Category 2



GHS Signal Word: Danger

GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H318 - Causes serious eye damage.
 H330 - Fatal if inhaled.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H351 - Suspected of causing cancer .
 H361 - Suspected of damaging fertility or the unborn child .
 H372 - Causes damage to organs through prolonged or repeated exposure.

GHS Precaution 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.
 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.
 P281 - Use personal protective equipment as required.
 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.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

P362+364 - Take off contaminated clothing and wash it before reuse.

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:

Fatal 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 burns. Causes serious eye damage.

Ingestion:

Harmful if swallowed.

Additional Information

No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
584-84-9	Toluene-2,4-diisocyanate	10.0 -20.0 %
3077-13-2	2-Propanol-1,1'-phenylaminobis	1.0 -9.0 %
94-96-2	2-Ethyl-1,3-hexanediol	1.0 -9.0 %
91-08-7	Toluene-2,6-diisocyanate	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.

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 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. Do not let product enter drains. Prevent further leakage or spillage if safe to do so. 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.

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
584-84-9	Toluene-2,4-diisocyanate	CEIL: 0.02 ppm	TLV: 0.005 ppm STEL: 0.02 ppm	No data.
3077-13-2	2-Propanol-1,1'-phenylaminobis	No data.	No data.	No data.
94-96-2	2-Ethyl-1,3-hexanediol	No data.	No data.	No data.
91-08-7	Toluene-2,6-diisocyanate	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.): Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. Physical and Chemical Properties

Physical States: Gas Liquid Solid

Appearance and Odor: Appearance: amber. Viscous. Liquid.
Odor: characteristic odor.

Melting Point: No data.

Boiling Point: No data.

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): ~1

Solubility in Water: No data.

Percent Volatile: No data.

Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable Stable

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: acids, Amines, bases, Oxidizing agents, Water.

Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen oxides.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid - Hazardous Reactions: Avoid contact with acids, bases or amines.

11. Toxicological Information

Toxicological Information: No data available.

Irritation or Corrosion: Serious eye damage/irritation.

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: Toxic liquids, organic, n.o.s. (toluene diisocyanate)

DOT Hazard Class: 6.1 POISON

UN/NA Number: UN2810

Packing Group: III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Toxic liquids, organic, n.o.s. (toluene diisocyanate)

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Toxic liquids, organic, n.o.s. (toluene diisocyanate)

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)
584-84-9	Toluene-2,4-diisocyanate	Yes 500 LB	Yes 100 LB	Yes
3077-13-2	2-Propanol-1,1'-phenylaminobis	No	No	No
94-96-2	2-Ethyl-1,3-hexanediol	No	No	No
91-08-7	Toluene-2,6-diisocyanate	Yes 100 LB	Yes 100 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
584-84-9	Toluene-2,4-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C
3077-13-2	2-Propanol-1,1'-phenylaminobis	TSCA: Yes - Inventory
94-96-2	2-Ethyl-1,3-hexanediol	TSCA: Yes - Inventory
91-08-7	Toluene-2,6-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C, 8D TERM

16. Other Information

Revision Date: 08/11/2015

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.