

## 1. Product and Company Identification

**Product Code:** 7701B  
**Product Name:** 7701B  
**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

**Flammable Liquids, Category 3**  
**Acute Toxicity: Inhalation, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2B**  
**Respiratory Sensitization, Category 1**  
**Skin Sensitization, Category 1**  
**Carcinogenicity, Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H226 - Flammable liquid and vapor.  
 H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H320 - Causes eye irritation.  
 H332 - Harmful if inhaled.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H351 - Suspected of causing cancer .

**GHS Precaution Phrases:** P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground/bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P261 - Avoid breathing vapors, mist, or spray.  
 P264 - Wash hands thoroughly after handling.  
 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.  
 P235 - Keep cool.

**GHS Response Phrases:** 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.  
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.  
P370+378 - In case of fire, use appropriate media to extinguish.

**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** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Proprietary Aromatic Isocyanate	70.0 -90.0 %
1330-20-7	Xylene (mixed isomers)	10.0 -20.0 %
100-41-4	Ethylbenzene	1.0 -5.0 %
584-84-9	Toluene-2,4-diisocyanate	0.1 -1.0 %
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:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- In Case of Skin Contact:** Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician.
- In Case of Eye Contact:** 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. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
- Note to Physician:** Treat symptomatically and supportively.

## 5. Fire Fighting Measures

- Flash Pt:** < 30.00 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:** Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Vapours can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Use water spray to cool and disperse vapors and protect personnel. Use proper personal protective equipment as indicated in Section 8.

## 7. Handling and Storage

- Precautions To Be Taken in Handling:** Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.
- Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place. Keep away from sources of ignition.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Proprietary Aromatic Isocyanate	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	No data.
584-84-9	Toluene-2,4-diisocyanate	CEIL: 0.02 ppm	TLV: 0.005 ppm STEL: 0.02 ppm	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 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.

**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: Clear. yellow.  
Odor: solvent odor.

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** < 30.00 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.

**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:** contact with water.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon oxides, Hydrogen cyanide, Nitrogen oxides.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

**Conditions To Avoid -** No data available.  
**Hazardous Reactions:**

**11. Toxicological Information**

**Toxicological Information:** No data available.  
**Irritation or Corrosion:** Skin corrosion/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.  
**Waste Disposal Method:** D001

**14. Transport Information**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Adhesives.  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** 1133 **Packing Group:** III



**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** DIETHYLBENZENE. TOLUENE DIISOCYANATE.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Adhesives.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Adhesives.

**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 Aromatic Isocyanate	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes
584-84-9	Toluene-2,4-diisocyanate	Yes 500 LB	Yes 100 LB	Yes
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
NA	Proprietary Aromatic Isocyanate	TSCA: No
1330-20-7	Xylene (mixed isomers)	TSCA: Yes - Inventory
100-41-4	Ethylbenzene	TSCA: Yes - Inventory, 4 Test
584-84-9	Toluene-2,4-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C
91-08-7	Toluene-2,6-diisocyanate	TSCA: Yes - Inventory, 8A CAIR, 8C, 8D TERM

## 16. Other Information

**Revision Date:** 07/28/2016

**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.