

## 1. Product and Company Identification

**Product Code:** 3451B  
**Product Name:** 3451B  
**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:** Coating

## 2. Hazards Identification

**Flammable Liquids, Category 3**  
**Acute Toxicity: Inhalation, Category 4**  
**Respiratory Sensitization, Category 1**  
**Skin Sensitization, Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H226 - Flammable liquid and vapor.  
 H317 - May cause an allergic skin reaction.  
 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.

**GHS Precautionary Phrases:** P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 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.  
 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/protective clothing/eye protection/face protection.  
 P285 - In case of inadequate ventilation wear respiratory protection.

**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.  
 P341 - If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
 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.  
 P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases:** P403+235 - Store in cool/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.

**Inhalation:** May cause allergic respiratory reaction. Toxic if inhaled.

**Skin Contact:** May cause allergic skin reaction.

**Eye Contact:** May cause eye irritation.

**Ingestion:** Harmful if swallowed.

**Additional Information**

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
28182-81-2	Poly(hexamethylene diisocyanate)	50.0 -75.0 %
763-69-9	Ethyl 3-ethoxypropionate	10.0 -20.0 %
123-86-4	Butyl acetate	1.0 -5.0 %
103-65-1	Benzene, Propyl-	1.0 -5.0 %
64742-95-6	SC-100 Solvent	1.0 -5.0 %
108-67-8	1,3,5-Trimethylbenzene	<=1.6 %
95-63-6	1,2,4-Trimethylbenzene	<=1.4 %
822-06-0	Hexamethylene-1,6-diisocyanate	< 1.0 %

**Additional Information** Exact percentages have been withheld as a trade secret.

**4. First Aid Measures**

**Emergency and First Aid Procedures:** Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**In Case of Inhalation:** If not breathing, give artificial respiration. Consult a physician. If inhaled, remove to fresh air. Monitor pulmonary function closely. If there is breathing difficulty, provide oxygen. If not breathing give artificial respiration. Seek medical attention.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**In Case of Ingestion:** Rinse mouth with water. Consult a physician. Give plenty of water to drink. If swallowed, do NOT induce vomiting. Seek medical attention.

**Indication of any immediate medical attention and special treatment needed:** No data available.

## 5. Fire Fighting Measures

**Flash Pt:** > 57.78 C Method Used: Pensky-Marten Closed Cup  
**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.  
**Unsuitable Extinguishing Media:** Do not use water jet. Burning liquid may float on water.  
**Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary.  
**Flammable Properties and Hazards:** No data available.  
**Hazardous Combustion Products:** Toxic vapors may be formed.

## 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.  
**Environmental Precautions:** Do not let product enter drains. Do not discharge directly into the environment or into the sewer system.  
**Steps To Be Taken In Case Material Is Released Or Spilled:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 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:** Store away from heat.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
28182-81-2	Poly(hexamethylene diisocyanate)	No data.	No data.	No data.
763-69-9	Ethyl 3-ethoxypropionate	No data.	No data.	No data.
123-86-4	Butyl acetate	PEL: 150 ppm	TLV: 150 ppm STEL: 200 ppm	No data.
103-65-1	Benzene, Propyl-	No data.	No data.	No data.
64742-95-6	SC-100 Solvent	No data.	No data.	No data.
108-67-8	1,3,5-Trimethylbenzene	No data.	No data.	No data.
95-63-6	1,2,4-Trimethylbenzene	No data.	No data.	No data.
822-06-0	Hexamethylene-1,6-diisocyanate	TWA: 5 mg/m3	TLV: 0.005 ppm	No data.

<b>Respiratory Equipment (Specify Type):</b>	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	Safety glasses.
<b>Protective Gloves:</b>	Handle with gloves.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize vapor concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not wear contact lenses when working with chemicals.
<b>Environmental Exposure Controls:</b>	Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

**9. Physical and Chemical Properties**

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	Gray.	
<b>pH:</b>	No data.	
<b>Melting Point:</b>	No data. - 0.00 C	
<b>Boiling Point:</b>	No data. - 0.00 C	
<b>Flash Pt:</b>	> 57.78 C    Method Used: Pensky-Marten Closed Cup	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	No data.	
<b>Density:</b>	1.08 G/CM3	
<b>Solubility in Water:</b>	No data.	
<b>Saturated Vapor Concentration:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	

**Information with regard to primary physical hazard:**

## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Instability:</b>	No data available.
<b>Incompatibility - Materials To Avoid:</b>	Water, Strong bases, Strong oxidizing agents, Metals, Amines, Alcohols, Surface active materials. Strong reducing agents, Pure oxygen. Hydrogen fluoride, chlorates, nitrates.
<b>Hazardous Decomposition or Byproducts:</b>	On burning: combustion may produce irritating and toxic gases. Hazardous decomposition products formed under fire conditions. Titanium/titanium oxides.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	Vapors may form explosive mixture with air. The product is stable at normal handling and storage conditions.

## 11. Toxicological Information

<b>Toxicological Information:</b>	No data available.
<b>Irritation or Corrosion:</b>	Skin corrosion/irritation.
<b>Symptoms related to Toxicological Characteristics:</b>	May be fatal if swallowed and enters airways.
<b>Sensitization:</b>	May cause sensitisation by skin contact.
<b>Chronic Toxicological Effects:</b>	Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

## 12. Ecological Information

	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Other adverse effects:</b>	Avoid release to the environment. Toxic to aquatic life with long lasting effects.

## 13. Disposal Considerations

<b>Waste Disposal Method:</b>	Contact a licensed professional waste disposal service to dispose of this material.
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## 14. Transport Information

**LAND TRANSPORT (US DOT):**

<b>DOT Proper Shipping Name:</b>	Paint.		
<b>DOT Hazard Class:</b>	3	FLAMMABLE LIQUID	
<b>UN/NA Number:</b>	UN1263	<b>Packing Group:</b>	III



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

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

**UN Number:** UN1263

**Hazard Class:** 3 - FLAMMABLE LIQUID

**Packing Group:**

III

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

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

**UN Number:** UN1263

**Hazard Class:** 3 - FLAMMABLE LIQUID

**Packing Group:**

III

**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)
28182-81-2	Poly(hexamethylene diisocyanate)	No	No	No
763-69-9	Ethyl 3-ethoxypropionate	No	No	No
123-86-4	Butyl acetate	No	Yes NA	No
103-65-1	Benzene, Propyl-	No	No	No
64742-95-6	SC-100 Solvent	No	No	No
108-67-8	1,3,5-Trimethylbenzene	No	No	No
95-63-6	1,2,4-Trimethylbenzene	No	No	Yes
822-06-0	Hexamethylene-1,6-diisocyanate	No	Yes NA	Yes-Cat. N120, N106

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
28182-81-2	Poly(hexamethylene diisocyanate)	TSCA: Inventory
763-69-9	Ethyl 3-ethoxypropionate	TSCA: Inventory
123-86-4	Butyl acetate	TSCA: Inventory
103-65-1	Benzene, Propyl-	TSCA: Inventory
64742-95-6	SC-100 Solvent	TSCA: Inventory
108-67-8	1,3,5-Trimethylbenzene	TSCA: Inventory
95-63-6	1,2,4-Trimethylbenzene	TSCA: Inventory
822-06-0	Hexamethylene-1,6-diisocyanate	TSCA: Inventory, 8D TERM

**16. Other Information**

**Revision Date:** 01/30/2023

**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.