

1. Product and Company Identification

Product Code: 0308
Product Name: 0308
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

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



GHS Signal Word: **Danger**

GHS Hazard Phrases: H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H332 - Harmful if inhaled.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 - May cause respiratory irritation.
GHS Precautionary Phrases: 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/protective clothing/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.
 P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal P405 - Store locked up.

Phrases: P501 - Dispose of contents/container according to national and local regulations.

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

Inhalation: Toxic if inhaled. Causes respiratory tract irritation. May cause allergic respiratory reaction.

Skin Contact: Causes skin irritation. May cause sensitization by skin contact.

Eye Contact: Causes eye irritation.

Ingestion: May cause irritation of the digestive tract.

Additional Information

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
101-68-8	Methylenebis(phenylisocyanate)	5.0 -20.0 %
112945-52-5	Silica, amorphous treated	5.0 -10.0 %
3077-13-2	2-Propanol-1,1'-phenylaminobis	1.0 -10.0 %
39310-05-9	Diisocyanate (homopolymer)	1.0 -5.0 %
5873-54-1	Benzene, 1-Isocyanato-2-[(4-isocyanatophenyl)methyl]-	0.1 -1.0 %
78-40-0	Triethyl phosphate	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 and shoes. Wash with soap and water. Get medical attention if irritation develops or persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

In Case of Ingestion: If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Point: > 177.00 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. 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 breathing dust, mist, or vapor. Use with adequate ventilation.

Precautions To Be Taken in Storing: Store at $\leq -40^{\circ}\text{C}$.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
101-68-8	Methylenebis(phenylisocyanate)	CEIL: 0.02 ppm	TLV: 0.005 ppm	No data.
112945-52-5	Silica, amorphous treated	No data.	No data.	No data.
3077-13-2	2-Propanol-1,1'-phenylaminobis	No data.	No data.	No data.
39310-05-9	Diisocyanate (homopolymer)	No data.	No data.	No data.
5873-54-1	Benzene, 1-Isocyanato-2-[(4-isocyanatophenyl)methyl]-	TWA: 5 mg/m ³	CEIL: 5 mg/m ³ (salts)	No data.
78-40-0	Triethyl phosphate	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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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 ☒ Liquid ☐ Solid

Appearance and Odor: Appearance: amber. Liquid.
Odor: hydrocarbon-like.

pH: No data.

Melting Point: No data.

Boiling Point: No data.

Flash Point: $> 177.00^{\circ}\text{C}$

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure: No data.

Vapor Density (vs. Air=1):	No data.
Specific Gravity (Water=1):	~1.1
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.

Information with regard to primary physical hazard:

10. Stability and Reactivity

Stability:	Unstable [X] Stable []
Conditions To Avoid - Instability:	Product will cure at ambient temperatures. Keep in cold storage until ready to use.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Carbon oxides, nitrogen oxides (NOx).
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.
Irritation or Corrosion: Corrosive to eyes .
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: Other regulated substances, liquid, n.o.s. (Methylene Diphenyl Diisocyanate)
DOT Hazard Class: 9 CLASS 9
UN/NA Number: NA3082 **Packing Group:** III



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.
UN Number: None **Packing Group:** NA
Hazard Class: None - No hazard class
IMDG MFAG Number:
Marine Pollutant: No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.
UN Number: None **Packing Group:** NA
Hazard Class: None - No hazard class

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)
101-68-8	Methylenebis(phenylisocyanate)	No	Yes NA	Yes-Cat. N120
112945-52-5	Silica, amorphous treated	No	No	No
3077-13-2	2-Propanol-1,1'-phenylaminobis	No	No	No
39310-05-9	Diisocyanate (homopolymer)	No	No	No
5873-54-1	Benzene, 1-Isocyanato-2-[(4-isocyanatophenyl)methyl]-	No	No	Yes-Cat. N106
78-40-0	Triethyl phosphate	No	No	No

California Proposition 65



WARNING

This product can expose you to chemicals including 4-Vinyl-1-cyclohexene and 1,3-Butadiene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
101-68-8	Methylenebis(phenylisocyanate)	TSCA: Inventory
112945-52-5	Silica, amorphous treated	TSCA: Inventory
3077-13-2	2-Propanol-1,1'-phenylaminobis	TSCA: Inventory
39310-05-9	Diisocyanate (homopolymer)	TSCA: Inventory
5873-54-1	Benzene, 1-Isocyanato-2-[(4-isocyanatophenyl)methyl]-	TSCA: Inventory, 8D TERM
78-40-0	Triethyl phosphate	TSCA: Inventory, 8A PAIR, 8D TERM
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
101-68-8	Methylenebis(phenylisocyanate)	REACH: (P), 01-2119457014-47: Full, Res. - 56(a).
112945-52-5	Silica, amorphous treated	REACH: (P)
3077-13-2	2-Propanol-1,1'-phenylaminobis	REACH: (P)
39310-05-9	Diisocyanate (homopolymer)	REACH: (P)
5873-54-1	Benzene, 1-Isocyanato-2-[(4-isocyanatophenyl)methyl]-	REACH: (P), 01-2119480143-45: Full, Res. - 56(b).
78-40-0	Triethyl phosphate	REACH: (P), 01-2119492852-28: Full

16. Other Information

Revision Date: 02/08/2024 **Previous revision:** 09/08/2022

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.