

1. Product and Company Identification

Product Code: 1830
Product Name: 1830
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

Flammable Liquids, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Carcinogenicity, Category 2
Specific Target Organ Toxicity (single exposure), Category 3
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 3



GHS Signal Word: Danger
GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H336 - May cause drowsiness or dizziness.
 H351 - Suspected of causing cancer .
 H412 - Harmful to aquatic life with long lasting effects.
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.
 P273 - Avoid release to the environment.
 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.
 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.
 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.
 P363 - Wash contaminated clothing before reuse.
 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: May cause 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
78-93-3	Methyl ethyl ketone	40.0 -60.0 %
109-99-9	Tetrahydrofuran	5.0 -20.0 %
7429-90-5	Aluminum	1.0 -5.0 %
13463-67-7	Titanium dioxide	1.0 -5.0 %
103-23-1	Bis(2-ethylhexyl) adipate	1.0 -5.0 %
2440-22-4	P-Cresol, 2-(2H-benzotriazol-2-yl)-	0.0 -1.0 %
NA	Proprietary Aromatic Polycarbodiimide	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:** < 0.00 C
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Carbon dioxide, dry chemical powder, or appropriate foam.
- Unsuitable Extinguishing Media:** Do NOT use halogenated agents. Do not use water.
- 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. Take precautionary measures against static discharges.
- Precautions To Be Taken in Storing:** Store locked up. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	No data.
109-99-9	Tetrahydrofuran	PEL: 200 ppm	TLV: 50 ppm STEL: 100 ppm	No data.
7429-90-5	Aluminum	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 1 mg/m3 (resp.)	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.

103-23-1	Bis(2-ethylhexyl) adipate	No data.	No data.	No data.
2440-22-4	P-Cresol, 2-(2H-benzotriazol-2-yl)-	No data.	No data.	No data.
NA	Proprietary Aromatic Polycarbodiimide	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. Use explosion-proof ventilation equipment.

9. Physical and Chemical Properties

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

Appearance and Odor: Appearance: Silvery. Gray. Viscous. Liquid.
Odor: ketone odor.

Melting Point: No data.

Boiling Point: No data.

Flash Pt: < 0.00 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): ~1.1

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: Keep away from heat, sparks and open flame.

Incompatibility - Materials To Avoid: Strong oxidizing agents, Ammonia, Amines, isocyanates, Water, Acids.

Hazardous Decomposition or Byproducts: Carbon oxides, Nitrogen oxides, Titanium oxides, Aliphatic hydrocarbons, aluminum oxide.

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

General Ecological Information: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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: Adhesives.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1133 **Packing Group:** II



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)
78-93-3	Methyl ethyl ketone	No	Yes 5000 LB	No
109-99-9	Tetrahydrofuran	No	Yes 1000 LB	No
7429-90-5	Aluminum	No	No	Yes
13463-67-7	Titanium dioxide	No	No	No
103-23-1	Bis(2-ethylhexyl) adipate	No	No	No
2440-22-4	P-Cresol, 2-(2H-benzotriazol-2-yl)-	No	No	No
NA	Proprietary Aromatic Polycarbodiimide	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
78-93-3	Methyl ethyl ketone	TSCA: Yes - Inventory
109-99-9	Tetrahydrofuran	TSCA: Yes - Inventory, 8A PAIR
7429-90-5	Aluminum	TSCA: Yes - Inventory
13463-67-7	Titanium dioxide	TSCA: Yes - Inventory
103-23-1	Bis(2-ethylhexyl) adipate	TSCA: Yes - Inventory
2440-22-4	P-Cresol, 2-(2H-benzotriazol-2-yl)-	TSCA: Yes - Inventory
NA	Proprietary Aromatic Polycarbodiimide	TSCA: No

16. Other Information

Revision Date: 02/24/2016

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.