



## Safety Data Sheet

SDS No. 220-99

Date of Preparation: January 12, 1999

Revised August 18, 2021

### 1. PRODUCT IDENTIFICATION

<b>Product Name:</b>	AdTech 220
<b>Product Description:</b>	Hot Melt Adhesive
<b>Suggested Purpose and Limitations:</b>	Bonding, adhesion
<b>Manufacturer, Importer, Supplier:</b>	Adhesive Technologies, Inc. 3 Merrill Ind. Dr. Hampton, NH 03842 Taipei Hsien, Taiwan
<b>Phone:</b>	(603) 926-1616
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### 2. HAZARD IDENTIFICATION

<p><b>Toxicity Data:</b> Conforms to ASTM D-4236 as non-toxic.</p> <p style="padding-left: 40px;">Product is non-hazardous as defined in 29 CFR 1910.1200</p> <p><b>GHS Label:</b> None</p> <p><b>Label Content:</b> <b>Symbol:</b> None  <b>Warnings:</b> None  <b>Hazard Warning Message:</b> None  <b>Hazard Prevention Measure:</b> None  <b>Other Hazards:</b> Touching adhesive directly while melting by heat will cause contact burns.</p>
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### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance Name	CAS No.	Concentration (%)
Ethylene Vinyl Acetate Copolymers	24937-78-8	70-90%
Hydrogenated Hydrocarbon Resin	69430-35-9	0-20%
Petroleum Resin	64742-16-1	0-20%
Petroleum Resin	68132-00-3	0-20%
Hydrocarbon Resin	62258-49-5	0-20%

Antioxidant	6683-19-8	0.02-2%
Hazardous Ingredients	None	

#### 4. FIRST-AID MEASURES

Emergency and First Aid Procedures	
<b>Ingestion:</b>	Ingestion is not a likely route of exposure. Small amounts are not anticipated to be harmful. Seek medical attention
<b>Inhalation:</b>	If symptomatic, move to fresh air. Seek medical attention if symptoms persist.
<b>Skin Contact:</b>	Hot molten adhesive will adhere to and burn skin upon contact. Immediately immerse affected area in cold or ice water. Do not pull solidified adhesive from skin. Seek medical attention.
<b>Eye Contact:</b>	Hot molten adhesive will adhere to and burn eye and surrounding skin upon contact. Immediately flush affected area with cold water to cool adhesive. Do not attempt to remove molten material. Seek medical attention.
<b>Medical Conditions Aggravated by Long Term Exposure:</b>	No known effects on other illnesses.
<b>Chronic Effects:</b>	No anticipated chronic effects.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Water spray, dry chemicals, foam
<b>Special Fire-Fighting Instructions:</b>	None
<b>Fire-Fighting Equipment:</b>	Wear a self-contained breathing apparatus (SCBA) and protective clothing.
<b>Explosion Bottom Line:</b>	Upper limit – not applicable Lower limit – not applicable

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Individual Precautions:</b>	Avoid contact with the hot melting materials.
<b>Environmental Precautions:</b>	Dispose of in accordance with international conventions or local regulations. Incineration at the government-approved incineration facilities.
<b>Cleanup:</b>	Normal housekeeping and clean up (no special procedures).
<b>Disposal</b>	Follow applicable Federal, state, and local regulations for proper disposal procedures.

#### 7. HANDLING AND STORAGE

<b>Handling Precautions:</b>	Avoid contacting the hot material with the skin.
<b>Storage Requirements:</b>	Avoid contact with oxides, exposure under the sun and heat. Store in a cool, dry dark area.

## 8. EXPOSURE CONTROLS – PERSONAL PROTECTION

<b>Engineering Control:</b>	Local ventilation recommended when handling.
<b>Control Parameters:</b>	Time weighted average for 8-hour shift (TWA) – No data Short Term Exposure Limit (STEL) – No data Ceiling – No data Biological Exposure Index (BEI) – No data
<b>Respiratory Protection:</b>	Though the smoke and odor generated by hot melting glue is not toxic, each person has different sensitivity tolerances, it is recommended to wear a mask.
<b>Personal Protective Equipment:</b>	Hand protection – heat insulated gloves Eye protection – safety goggles Skin protection – wear long-sleeved or protective clothing.
<b>Sanitary Measures:</b>	No specific requirements.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Olfactory Threshold:</b>	Not applicable
<b>pH:</b>	7.8
<b>Flash Point:</b>	Over 392°F / 200°C
<b>Test Method:</b>	Open cup
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Specific Gravity:</b>	.98 (H <sub>2</sub> O=1 @ 4°C)
<b>Evaporation Rate:</b>	Not applicable
<b>Odor:</b>	Resin
<b>Softening Point:</b>	185±10°F (85±5°C)
<b>Boiling Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not applicable
<b>Explosion Limit:</b>	Not applicable
<b>Water Solubility:</b>	Insoluble
<b>Octanol / Water Partition Coefficient (Low Kow):</b>	Not applicable
<b>Color:</b>	Clear
<b>Viscosity:</b>	8,800 -11,800 cps @ 350°F

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerization will not occur.
<b>Incompatibilities – Materials to avoid:</b>	Strong oxidizing agents.

<b>Hazardous Decomposition Products:</b>	Thermal oxidative decomposition of AdTech 220 can produce carbon monoxide and /or carbon dioxide.
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### 11. TOXICOLOGICAL INFORMATION

<b>Exposure Approach:</b>	None
<b>Symptoms:</b>	None
<b>Acute Toxicity- Inhalation:</b>	Inhalation of dust and smoke will stimulate the respiratory system.
<b>Skin:</b>	None
<b>Eyes:</b>	None
<b>LD50(testing animal's absorbtion approach):</b>	500mg/24hr (rabbit, skin) – No Data 20mg/24hr (rabbit, eyes) – No Data
<b>Chronic Toxicity or Long-Term Toxicity:</b>	None

### 12. ECOLOGICAL INFORMATION

<b>Ecological Toxicity:</b>	LC50 (fish)- No Data EC50 (aquatic invertebrates)- No Data
<b>Sustainable and De-toxic:</b>	Difficult to naturally degrade but can be recycled by appropriate ways.
<b>Ecologic Accumulation:</b>	No Data
<b>Liquidity in Soil:</b>	No Data
<b>Other Effects:</b>	Improper burning may generate hazardous gas.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations:</b>	1. Refer to relevant regulations. 2. Store waste according to storage conditions. 3. Able to apply specific incineration or sanitary landfilling.
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### 14. TRANSPORT INFORMATION

<b>The United Nations Number:</b>	None
<b>The United Nations Shipping Name:</b>	None
<b>D.O.T. Hazard Class:</b>	None
<b>Package Category:</b>	None
<b>Maritime Pollutants:</b>	No
<b>International Transport Regulation:</b>	Not Regulated
<b>Domestic Transport Regulation:</b>	Not Regulated

<b>Special Transport Way and Note:</b>	Not Regulated
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### 15. REGULATORY INFORMATION

<b>EPA Regulations:</b>	
<b>RCRA Hazardous Waste Number:</b>	Not applicable.
<b>RCRA Hazardous Waste Classification:</b>	Not applicable.
<b>CERCLA Hazardous Substance (40 CFR 302.4):</b>	Unlisted, specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112
<b>CERCLA Reportable Quantity (RQ):</b>	Not applicable
<b>SARA 311/312 Codes:</b>	Not applicable
<b>SARA Toxic Chemical (40 CFR 372.65):</b>	Not listed
<b>SARA EHS (Extremely Hazardous Substance) (40 CFR 355):</b>	Not applicable, non-hazardous
<b>OSHA Regulations:</b>	
<b>Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):</b>	Not applicable
<b>OSHA Specifically Regulated Substance (29CFR 1910):</b>	Not applicable
<b>State Regulations:</b>	None

### 16. OTHER INFORMATION

<b>NFPA Hazard ID:</b>	Health: 1 Flammability: 1 Reactivity: 0 Specific: None
<b>HMIS Hazard ID:</b>	Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B

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