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Safety Data Sheet

SDS No. 501-12
Date of Preparation: January 05, 2012 **Revised August 18, 2021**

1. PRODUCT IDENTIFICATION

Product Name:	AdTech 501
Product Description:	Hot Melt Adhesive
Suggested Purpose and Limitations:	Bonding, adhesion
Manufacturer, Importer, Supplier:	Adhesive Technologies, Inc. 3 Merrill Ind. Dr. Hampton, NH 03842 Taipei Hsien, Taiwan
Phone:	(603) 926-1616
Fax:	(603) 926-1780

2. HAZARD IDENTIFICATION

Toxicity Data: Conforms to ASTM D-4236 as non-toxic.

Product is non-hazardous as defined in 29 CFR 1910.1200

GHS Label: None

Label Content: **Symbol:** None
Warnings: None
Hazard Warning Message: None
Hazard Prevention Measure: None
Other Hazards: Touching adhesive directly while melting by heat will cause contact burns.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance Name	CAS No.	Concentration (%)
Polyolefin	9010-79-1	35-55%
Hydrogenated Hydrocarbon Resin	69430-35-9	20-45%
Wax	9002-88-4	0-10%
Antioxidant	6683-19-8	0.02-2%
Hazardous Ingredients	None	

4. FIRST-AID MEASURES

Emergency and First Aid Procedures	
Ingestion:	Ingestion is not a likely route of exposure. Small amounts are not anticipated to be harmful. Seek medical attention
Inhalation:	If symptomatic, move to fresh air. Seek medical attention if symptoms persist.
Skin Contact:	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.
Eye Contact:	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.
Medical Conditions Aggravated by Long Term Exposure:	No known effects on other illnesses.
Chronic Effects:	No anticipated chronic effects.

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

Engineering Control:	Local ventilation recommended when handling.

Control Parameters:	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
Respiratory Protection:	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.
Personal Protective Equipment:	Hand protection – heat insulated gloves Eye protection – safety goggles Skin protection – wear long-sleeved or protective clothing.
Sanitary Measures:	No specific requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Olfactory Threshold:	Not applicable
pH:	8.3
Flash Point:	Over 392°F / 200°C
Test Method:	Open cup
Auto-ignition Temperature:	Not applicable
Specific Gravity:	.98 (H2O=1 @ 4°C)
Evaporation Rate:	Not applicable
Odor:	Resin
Softening Point:	214±10°F (101±5°C)
Boiling Point:	Not applicable
Flammability:	Not applicable
Decomposition Temperature:	Not applicable
Explosion Limit:	Not applicable
Water Solubility:	Not applicable
Octanol / Water Partition Coefficient (Low Kow):	Not applicable
Color:	Milky white
Viscosity:	11,200 -16,800 cps @ 350°F

10. STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Hazardous polymerization will not occur.
Incompatibilities – Materials to avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Thermal oxidative decomposition of AdTech 501 can produce carbon monoxide and /or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal Considerations:	1. Refer to relevant regulations. 2. Store waste according to storage conditions. 3. Able to apply specific incineration or sanitary landfilling.

14. TRANSPORT INFORMATION

The United Nations Number:	None
The United Nations Shipping Name:	None
D.O.T. Hazard Class:	None
Package Category:	None
Maritime Pollutants:	No
International Transport Regulation:	Not Regulated
Domestic Transport Regulation:	Not Regulated
Special Transport Way and Note:	Not Regulated

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15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

NFPA Hazard ID:	Health: 1 Flammability: 1 Reactivity: 0 Specific: None
HMIS Hazard ID:	Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B

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