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9716046**Section 1 - Chemical Product and Company****Identification**HMIS  
H 0  
F 0  
R 0  
PPE B

†Sec. 8

Product/Chemical Name: Ad-Tech 229  
Product Description: Hot melt adhesive

Manufacturer: Adhesive Technologies, Inc. 31 Merrill Industrial Drive, Hampton, N.H. 03842, and Taipei Hsien, Taiwan. Phone (603)-926-1616, FAX (603) 926-1780 (Open 8 a.m. to 4 p.m. EST).

☆☆☆☆ Emergency Overview ☆☆☆☆

**Section 2 - Composition / Information on Ingredients**

Ingredient Name	CAS Number	% wt or % vol
This product is not hazardous as defined in 29 CFR 1910.1200	N/A	N/A

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

**Section 3 - Physical and Chemical Properties**

Physical State: 100% Solids.

Appearance and Odor: Translucent/clear with slight odor.

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Specific Gravity (H<sub>2</sub>O=1, at 4 °C): .98

PH: Not established.

Water Solubility: Nil

Boiling Point: Not applicable.

Melting Point: 190°F (89°C).

Viscosity: 10,000 centipoise @ 350°F

% Volatile: Nil.

Evaporation Rate: Not applicable.

**Section 4 - Fire-Fighting Measures**

NFPA



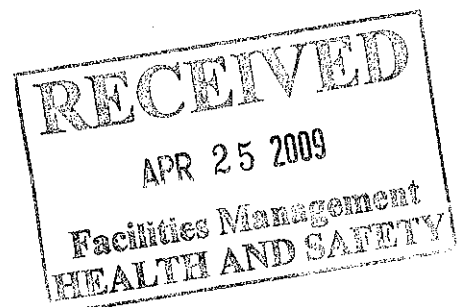
Flash Point: &gt;450°F (&gt;232 °C).

Flash Point Method: CC.

Autoignition Temperature: &gt;800°F (&gt;427 °C)

<http://www.adhesivetech.com/msds229.html>

1/16/2004



**Extinguishing Media:** Carbon Dioxide, Foam

**Unusual Fire or Explosion Hazards:** None.

**Special Fire-Fighting Instructions:** None.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

## Section 5 - 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 Ad-Tech 229 can produce carbon monoxide and/or carbon dioxide.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Eyes:** Vapors and fumes released at or above application temperature may cause irritation.

**Inhalation:** Vapors and fumes released at or above application temperature may cause irritation of the nose, throat and respiratory tract.

**Skin:** Hot molten adhesive will burn and blister skin tissue.

**Ingestion:** Ingestion is not a likely route of exposure. Small amounts are not anticipated to be harmful.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Ad-Tech 229 as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** No known effects on other illnesses.

**Chronic Effects:** No anticipated chronic effects.

### Emergency and First Aid Procedures

**Inhalation:** If irritation occurs, remove to fresh air.

**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 pull solidified adhesive from eye. Seek medical attention.

**Skin Contact:** Hot molten adhesive will adhere to and burn skin upon contact. Immediately immerse affected area in ice water. Do not pull solidified adhesive from skin. Seek medical attention.

**Ingestion:** If ingested, seek medical attention.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** This adhesive was determined by a toxicologist to be non-toxic.

**Special Precautions/Procedures:** None.

## Section 7 - Spill, Leak, and Disposal Procedures

**Cleanup:** Normal housekeeping and clean up (no special procedures).

**Regulatory Requirements:** None.

**Disposal:** Follow applicable Federal, state, and local regulations for proper disposal procedures.

### 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.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** Local ventilation recommended.

**Ventilation:** Provide general or local exhaust ventilation to areas using this adhesive. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:** Not applicable.

**Respiratory Protection:** Not required under normal use.

**Protective Clothing/Equipment:** Wear protective gloves and long sleeved shirt to prevent skin contact. Wear protective eyeglasses or safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Cooled adhesive may be removed from clothing by freezing affected area and picking off.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Special Precautions and Comments

**Handling Precautions:** No special handling necessary.

**Storage Requirements:** Store in cool dark area.

**Prepared By:** Dennis Fitzmeyer.

**Revision Notes:** Revised 1-7-99

**Disclaimer:**

The information provided here represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this data sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.