

# MATERIAL SAFETY DATA SHEET

000022

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>Adhesive Technologies, Inc.</b>		EMERGENCY TELEPHONE NO. <b>(603)926-1616</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>3 Merrill Industrial Dr, Hampton, NH 03842</b>		
CHEMICAL NAME AND SYNONYMS <b>Thermoplastic (hot melt) Adhesive</b>	TRADE NAME AND SYNONYMS <b>Pro-Stick</b>	
CHEMICAL FAMILY <b>Compounded Ethylene vinyl acetate</b>	FORMULA <b>Pro-Stick 200 White</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE <b>NONE</b>			METALLIC COATINGS <b>NONE</b>		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
<b>NONE</b>					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	<b>solid</b>	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<b>0.95</b>
VAPOR PRESSURE (mm Hg.)	<b>Nil</b>	PERCENT VOLATILE BY VOLUME (%)	<b>Nil</b>
VAPOR DENSITY (AIR=1)	<b>---</b>	EVAPORATION RATE (_____ =1)	<b>Nil</b>
SOLUBILITY IN WATER	<b>Nil</b>		
APPEARANCE AND ODOR <b>White solid; melts to semi-liquid above 250°F., mild odor.</b>			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	<b>Above 450°F.</b>	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	<b>Carbon dioxide, foam, etc.</b>			
SPECIAL FIRE FIGHTING PROCEDURES	<b>None</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS	<b>None</b>			

### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Not Applicable
EFFECTS OF OVEREXPOSURE	Not Applicable
EMERGENCY AND FIRST AID PROCEDURES	
Material is normally used as a hot melt. Skin contact with molten material will cause burns. Immediately immerse burned skin area in cold clean water Do not attempt to pull solidified material from skin. Seek medical advice.	

### SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
Excellent	STABLE	XX	
INCOMPATIBILITY (Materials to avoid)			
None			
HAZARDOUS DECOMPOSITION PRODUCTS			
None			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	XX	

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Normal housekeeping or cleaning up- no special procedure.
WASTE DISPOSAL METHOD
Normal disposal for solid waste as might be used for other plastic materials such as polyethylene.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
Not required in normal use conditions, some odor in fumes from molten surface.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	Recommended in confined areas	
	MECHANICAL (General)	OTHER
	Recommended for large volume usage	
PROTECTIVE GLOVES	EYE PROTECTION	
Yes, where skin burns are possible.	Yes, where hot splashing could occur.	
OTHER PROTECTIVE EQUIPMENT		
Where burns from splashing could occur, cover exposed skin-long sleeved shirt, etc.		

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
NONE
OTHER PRECAUTIONS

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

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**U.S. Department of Labor**  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY (As Used on Label and List)**  
Pro Stick 200 97-302 - 97-305 97-312 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I** 97-315

<b>Manufacturer's Name</b> Adhesive Technologies, Inc.	<b>Emergency Telephone Number</b> 603-926-1616
<b>Address (Number, Street, City, State, and ZIP Code)</b> 3 Merrill Industrial Drive	<b>Telephone Number for Information</b> 603-926-1616
Hampton, NH 03842	<b>Date Prepared</b> 4-13-87
	<b>Signature of Preparer (optional)</b>

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NONE				

**Section III — Physical/Chemical Characteristics**

<b>Boiling Point</b>	Solid	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	0.95
<b>Vapor Pressure (mm Hg.)</b>	Nil	<b>Melting Point</b>	250°
<b>Vapor Density (Air = 1)</b>	---	<b>Evaporation Rate (Butyl Acetate = 1)</b>	Nil
<b>Solubility in Water</b> Nil			
<b>Appearance and Odor</b> Opaque white melts to semi-liquid above 250°F mild odor			

**Section IV — Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b> Above 450°	<b>Flammable Limits</b> ----	<b>LEL</b> ---	<b>UEL</b> ---
<b>Extinguishing Media</b> Carbon Dioxied, Foam, Etc.			
<b>Special Fire Fighting Procedures</b> None			
<b>Unusual Fire and Explosion Hazards</b> None			

(Reproduce locally)

**Section V — Reactivity Data**

Stability excellent	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) none

Hazardous Decomposition or Byproducts none

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	

**Section VI — Health Hazard Data**

Route(s) of Entry: Inhalation? N/A Skin? only when molten Ingestion? toxicity nil

Health Hazards (Acute and Chronic) none

Carcinogenicity none NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure none

Medical Conditions Generally Aggravated by Exposure none

Emergency and First Aid Procedures  
often, material will adhere to and burn skin upon contact. Immediately immerse affected area in cool clean water, do not pull solidified material from skin - seek medical aid

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled Normal housekeeping + clean up - no special procedure

Waste Disposal Method normal disposal for solid waste as might be used for other plastic materials such as polyethylene

Precautions to Be Taken in Handling and Storing Material will burn

Other Precautions none

**Section VIII — Control Measures**

Respiratory Protection (Specify Type) not required in normal use conditions; some odors in fumes from molten surface

Ventilation	Local Exhaust <u>recommended in confined areas</u>	Special
	Mechanical (General) <u>recommended for large volume usage</u>	Other

Protective Gloves Yes, where skin burns are possible Eye Protection Yes, where hot splashing could occur

Other Protective Clothing or Equipment Yes, where burns from splashing could occur - cover exposed skin - long sleeve shirt, etc.

Work/Hygienic Practices N/A

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MANUFACTURER'S NAME Adhesive Technologies, Inc.		EMERGENCY TELEPHONE NO. (617) 388-5166
ADDRESS (Number, Street, City, State, and ZIP Code) .194 Main St., Amesbury, MA 01913		
CHEMICAL NAME AND SYNONYMS Thermoplastic (hot melt) Adhesive	TRADE NAME AND SYNONYMS Pro-Stick	
CHEMICAL FAMILY Compounded ethylene vinyl acetate	FORMULA	Pro-Stick 230 Clear

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST	NONE		ALLOYS	NONE	
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NONE					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Solid	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.95
VAPOR PRESSURE (mm Hg.)	Nil	PERCENT VOLATILE BY VOLUME (%)	Nil
VAPOR DENSITY (AIR=1)	---	EVAPORATION RATE (-----=1)	Nil
SOLUBILITY IN WATER	Nil		
APPEARANCE AND ODOR	Translucent solid, melts to semiliquid above 250°F mild odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Above 450°F	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Carbon dioxide, foam, etc.			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
NONE	
OTHER PRECAUTIONS	

SECTION VIII - SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (Specify type) Not required in normal use conditions, some odor in fumes from molten surface.	
VENTILATION	LOCAL EXHAUST Recommended in confined areas
	MECHANICAL (General) Recommended for large volume usage.
OTHER	
PROTECTIVE GLOVES Yes where skin burns are possible	
EYE PROTECTION	Yes, where hot splashing could occur.
OTHER PROTECTIVE EQUIPMENT Where burns from splashing could occur, cover exposed skin-long sleeved shirt etc	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Normal housekeeping or cleaning up-no special procedure.	
WASTE DISPOSAL METHOD Normal disposal for solid waste as might be used for other plastic materials such as polyethylene.	

SECTION VI - REACTIVITY DATA	
STABILITY	UNSTABLE
Excellent	STABLE
INCOMPATIBILITY (Materials to avoid) NONE	
HAZARDOUS DECOMPOSITION PRODUCTS NONE	
HAZARDOUS	MAY OCCUR
	WILL NOT OCCUR
CONDITIONS TO AVOID	XX

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE Not Applicable	
EFFECTS OF OVEREXPOSURE Not Applicable	
EMERGENCY AND FIRST AID PROCEDURES Material is normally used as a hot melt. Skin contact with molten material will cause burns. Immediately immerse burned skin area in cold clean water. Do not attempt to pull solidified material from skin. Seek medical advice.	