



Adhesives &  
Fastening Products

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### Specification Sheet #725 All-Purpose, All-Temperature

Type: Hot Melt Glue - Ethylene Vinyl Acetate

Solids: 100%

Viscosity <sup>1</sup>: @ 250° (F) (cps) 36,400  
@ 325° (F) (cps) 8,600  
@ 375° (F) (cps) 4,075

SAFT <sup>2</sup>: 161° (F)

PAFT <sup>3</sup>: 126° (F)

Open Time <sup>4</sup>: 65 seconds

Mettler Softening Point <sup>5</sup>: 176° (F)

Color: Clear

Odor: Slight

Shelf Life: Indefinite

Flash Point: Above 450° (F)

FDA Status: Compositional compliance with FDA Regulation #21CFR175.105 for food packaging.

Storage: Common Storage

Application Temperature: 250° (F) to 380° (F)

Suggested Uses: A hot melt adhesive designed for low, high and dual-temperature glue guns. General purpose adhesive with long open time and good delivery rate. In high temperature offers good adhesion to most plastics and woods. In low temperature offers good adhesion to heat sensitive substrates as styrofoam, paper, fabric and ribbons.

Precautions: Do Not Mix with other adhesives  
Severe burns will result if contact is made in molten state.  
Material safety data sheets provide safety precautions that should be observed in handling and storing.

The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. FPC warrants that the product conforms with FPC written specifications, and is free from defects. FPC disclaims all other warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose. The buyer's sole remedy for non compliance with this warranty shall be for the replacement of the product or refund of the buyer's purchase price.

<sup>1</sup> Brookfield Viscosity – ASTM D3236 using spindle SC4-27

<sup>2</sup> Shear Adhesion Failure Temperature (SAFT) – ASTM D4498 – using 45# Kraft paper substrates, 500 g. weights

<sup>3</sup> Peel Adhesion Failure Temperature (PAFT) – ASTM D4498 (modified for peel mode) – using 45# Kraft paper substrates, 100 g. weights

<sup>4</sup> Open Time – ASTM D4497-94 (1999) – using 45# Kraft paper substrates

<sup>5</sup> Mettler Softening Point – ASTM D6493-99

# MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards



**HMIS HAZARD RATINGS**

HEALTH	1	* = Chronic Health Hazard	2 = MODERATE
FLAMMABILITY	1	0 = INSIGNIFICANT	3 = HIGH
PHYSICAL HAZARD	0	1 = SLIGHT	4 = EXTREME

**TRANSPORTATION INFORMATION**

PROPER SHIPPING NAME:	Not Regulated		
HAZARD CLASS / PKG GRP:	None / None	REF:	Not Applicable
IDENTIFICATION NUMBER:	None	LABEL:	None Required

**SECTION 1 - PRODUCT / COMPANY IDENTIFICATION**

IDENTITY (AS USED ON LABEL AND LIST)  
# 725 Hot Melt Glue

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MANUFACTURER'S NAME  
FPC Corporation

EMERGENCY TELEPHONE NUMBER  
(847) 487-4583

ADDRESS (NUMBER, STREET, P.O. BOX)  
355 Hollow Hill Drive

TELEPHONE NUMBER FOR INFORMATION  
(847) 487-4583

(CITY, STATE AND ZIP CODE)  
Wauconda, IL 60084-

DATE PREPARED: April 22, 2005  
SUPERSEDES: March 26, 2002

**SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S))	CAS #	% (OPTIONAL)	ACGIH TWA		ACGIH STEL		SARA TITLE III	RQ LBS
			PPM	MG/M3	PPM	MG/M3		
No hazardous materials present as defined in 29 CFR 1910.1000, 40 CFR 260 - 281, 302, 355, 370, 372 or WHMIS.								

**SECTION 3 - HEALTH HAZARD DATA**

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
<p><b>INHALATION:</b> No effects expected from product in normal solid form. Breathing fumes or vapors of molten material may cause irritation of nose, throat and respiratory tract.</p>	Remove affected person to fresh air; if symptoms persist seek medical attention.
<p><b>SKIN:</b> None expected from product in normal solid form. Thermal burns will result from contact with molten material.</p>	For contact with molten material, carefully remove contaminated clothing, apply clean, cold water to affected area; do not attempt to remove solidified material; cover affected area with clean, wet compresses; seek immediate medical attention.
<p><b>EYES:</b> Contact with normal solid product may cause irritation. Contact with molten material will cause severe thermal burns to eyes.</p>	In case of contact with molten material, flush eyes with clear, cool running water for 15 minutes while holding eyelids open; do not attempt to remove solidified material; seek immediate medical attention.
<p><b>INGESTION:</b> Ingestion of solid material may cause gastric distress, stomach pains, vomiting and diarrhea. Contact with molten material will cause severe thermal burns to mouth and trachea.</p>	Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention.
<p><b>HEALTH HAZARDS (ACUTE AND CHRONIC):</b> Acute effects are possible irritation and discomfort; no known chronic effects have been established; Product in molten form is hot and will cause severe thermal burns to skin. Excessive exposure to vapors and fumes of molten material may result in respiratory sensitization, causing respiratory difficulties in certain individuals.</p>	
<p><b>CARCINOGENICITY</b> No additional information</p>	<p>NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No</p>
<p><b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b> Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.</p>	

MATERIAL SAFETY DATA SHEET	
IDENTITY (AS USED ON LABEL AND LIST) # 725 Hot Melt Glue	Page 2 of 2 Date: April 22, 2005
<b>SECTION 4 - FIRE FIGHTING MEASURES</b>	
FLASH POINT (METHOD USED) > 450° F	FLAMMABLE LIMITS LEL: not applicable UEL: not applicable
EXTINGUISHING MEDIA Carbon dioxide, water fog, dry chemical, chemical foam. Do not use direct water stream on molten material to prevent splattering.	
SPECIAL FIRE FIGHTING PROCEDURES None	
UNUSUAL FIRE AND EXPLOSION HAZARDS None	
<b>SECTION 5 - ACCIDENTAL RELEASE MEASURES</b>	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Solid material - Recover and segregate product for reuse or place product into approved container for landfill disposal. Molten material - allow molten material to cool and solidify, place material into approved container for landfill disposal. CAUTION - molten material is hot and will cause thermal burns to skin.	
<b>SECTION 6 - HANDLING AND STORAGE</b>	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; store containers in cool, dry area. Keep this and other chemicals out of reach of children.	
<b>SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSH approved respirator designed to remove airborne particulate present in excess of maximum allowable concentrations due to operations such as mixing, spraying, sanding, buffing, etc. Refer to 29 CFR 1910.134 for regulations.	
VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): Yes	SPECIAL: None OTHER: None
PROTECTIVE GLOVES: Heat resistant gloves.	EYE PROTECTION: Safety goggles with side shields
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby	
WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.	
<b>SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES</b>	
BOILING POINT Not applicable	SPECIFIC GRAVITY (WATER = 1) 0.960
VAPOR PRESSURE (MM Hg) Not applicable	pH Not applicable
VAPOR DENSITY (AIR = 1) Not applicable	EVAPORATION RATE (WATER = 1) Not applicable
SOLUBILITY IN WATER Negligible	% VOLATILE (BY WEIGHT) None
APPEARANCE AND ODOR Clear to opaque white to light amber solid, odorless	SOFTENING POINT 176° F
<b>SECTION 9 - STABILITY AND REACTIVITY</b>	
STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID: Extreme temperatures, store in cool dry area
INCOMPATIBILITY (MATERIALS TO AVOID): None	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID: None
<b>SECTION 10 - DISPOSAL CONSIDERATIONS</b>	
WASTE DISPOSAL METHOD: Dispose of in landfill in accordance with Local, State, and Federal Regulations. Products classified as non - hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.	
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.	

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