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STAPLING MACHINES AND STAPLES

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SAFETY SHEET SUMMARY ***for all*** ***ARROW FASTENER HOT MELT GLUE GUNS***

- 1 WEAR SAFETY GLASSES
- 2 DO NOT TOUCH HEATED NOZZLE AREA OF GLUE GUN OR HOT GLUE
- 3 DO NOT ALLOW HEATED NOZZLE TO LIE IN CONTACT WITH WORKING SURFACE
- 4 UNPLUG WHEN NOT IN USE
- 5 ELECTRICAL PRODUCT - DO NOT USE IN DAMP OR WET CONDITIONS
- 6 KEEP VENTS AND NOZZLE CLEAN
- 7 KEEP OUT OF REACH OF CHILDREN
- 8 USE ONLY ARROW GLUE STICKS FOR NON-DRIP PERFORMANCE
- 9 REFER TO INSTRUCTION LEAFLET BEFORE USE



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MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE NO AS ABOVE

PRODUCT CLASS: Thermoplastic Adhesive. (Hot Melt)

DOT PROPER SHIPPING NAME: Not a regulated material.

WARNING STATEMENTS: Vapours/fumes may be irritating at application temperatures. Contact with molten material will cause burns.

PRECAUTIONARY MEASURES: Avoid breathing vapours/fumes. Use only with adequate ventilation. Avoid contact with molten product.

EMERGENCY AND FIRST AID PROCEDURES:

FOR BURNS: Immerse contact area in cold, clean water immediately. Do not attempt to remove set products. Cover contact area with clean wet compresses and take subject to physician immediately.

IF VAPOURS INHALED: Remove subject to fresh air. Call a physician if symptoms persist.

IN CASE OF FIRE: Extinguish with dry chemical, carbon dioxide or chemical foam. Do not use water.

SPILL OR LEAK: Allow to solidify at room temperature. Scrape up and place in disposal container.

HAZARDOUS INGREDIENTS:
This product does not contain regulated levels of hazardous ingredient as defined in 29 CFR 1910. 1200.

OCCUPATIONAL CONTROL PROCEEDURES:

EYE PROTECTION: Wear safety glasses to reduce the potential for eye contact; a face shield is appropriate if splashing is likely. Have eye washes available where eye contact can occur

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SKIN PROTECTION:	At elevated temperatures prevent contact by wearing thermally protective gloves and a long Sleeve shirt. Provide a cold water source for burn treatment.
RESPIRATORY PROTECTION:	Not normally required.
VENTILATION:	At the application temperatures local exhaust should be provided over the pre-melting reservoir.
<u>FIRE PROTECTION:</u>	
FLASH POINT/METHOD:	Greater than 400°f/TCC
APPROPRIATE EXTINGUISHERS:	Carbon dioxide, dry chemicals, chemical foam
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid using water on molten material to reduce splattering and spreading of the fire.
USUAL FIRE AND EXPLOSION HAZARDS:	None known.
<u>REACTIVITY DATE:</u>	
STABILITY:	Stable.
INCOMPATIBILITY:	Not established.
HAZARDOUS DECOMPOSITION PRODUCTS:	Incomplete combustion can yield; low molecular weight hydrocarbons, carbon monoxide.
HAZARDOUS POLYMERIZATION:	Will not occur.
<u>EFFECTS OF OVEREXPOSURE:</u>	
EYES:	Vapours and fumes may cause irritation
SKIN:	No known effects

INHALATION: Vapours and fumes may cause irritation of the nose, throat, and respiratory tract.

CHRONIC: No anticipated chronic effects.

PHYSICAL DATA:

PHYSICAL STATE: Solid. Specific gravity: 0.95.

MELTING POINT: 200°F / Ball & Ring viscosity. 14,000cps @ 350°F

SPILL, LEAK & DISPOSAL INFORMATION:

SPILL OR LEAK: Allow to solidify at room temperature, scrape up and place in disposal container.

WASTE DISPOSAL: The product does not meet the definition of hazardous waste under the U.S. EPA hazardous waste regulations, 40 CFR 261. Dispose of in an approved industrial landfill, consult your state or local authorities for proper disposal in the event more restrictive requirements apply.

STORAGE: Long-termed and indoor conditions: heat has to be completely avoided due to possible deformation of the sticks.

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ARROW HOT MELT ALL PURPOSE GLUE STICKS

AP5, AP10, BAP5
AP1000/AP2000

TECHNICAL DATA

BASE	Ethylene Vinyl Acetate Copolymer
COLOUR	Translucent
DIAMETER	11.4mm + / - 0.25mm
VISCOSITY	5,000 cps (180°C)
DENSITY	0.99grs/cm ³ (23°C)
RING & BALL	86/88°C
OPEN TIME	40/45 seconds
APPLICATION TEMPERATURE	180/210°C
TENSILE STRENGTH	44kg/cm ² (20°C)
SHEAR STRENGTH	39kg/cm ² (20°C)
ELONGATION	750%
COLDPROOF	- 5%

Instruction For Use

1. All surfaces should be clean and free of loose elements.
2. Normally apply to one side, the parts must be pressed with not too light a pressure immediately after the application of the adhesive, in any case before the end of the open time.
3. Open time is changeable, depending upon the nature of the substrate, application temperature, thickness of adhesive applied, room temperature and closing pressure.

Others

1. Small differences regarding the colour of the glue are due to the producing and do not show special quality characteristics.
2. Storage: Long-termed and indoor conditions. Heat (influence of the sun) has completely to be avoided due to a possible deformation of the sticks.
3. Do not touch the molten adhesive. In case of burns from hot adhesive, immediately flush skin with cold water and cover with clean dressing, do not remove adhesive. Have burn treated by a physician. Full safety data sheet available upon request.
4. Inert adhesive at room temperature.

Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed.



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ARROW HOT MELT WOODWORKING GLUE STICKS

TECHNICAL DATA

BASE	Ethylene Vinyl Acetate Copolymer
COLOUR	White
DIAMETER	11.5mm + / - 0.25mm
VISCOSITY	9.500 cps (180°C)
DENSITY	0.99 GRS/CM3 (23°C)
RING & BALL	82/85°C
OPEN TIME	25/30 SECONDS
APPLICATION TEMP	180/210°C
TENSILE STRENGTH	37 KG/CM2(20°C)
SHEAR STRENGTH	36KG/CM2(20°C)
ELONGATION	540%
COLD PROOF	- 5°C

Note: Inert adhesive at room temperature. Contact with molten product will case burns.

Instruction for Use

1. All surfaces should be clean and free of loose elements.
2. Normally apply to one side, the parts must be pressed with not too high a pressure immediately after the application of the adhesive, in any case before the end of the open time.
3. Open time is changeable, depending upon the nature of the substrate, application temperature, thickness of adhesive applied, room temperature and closing pressure.

Others

1. Small differences regarding the colour of the glue are due to the producing and do not show special quality characteristics.
2. Storage: Long-termed and indoor conditions. Heat (influence of the sun) has completely to be avoided due to a possible deformation of the sticks.
3. Do not touch the molten adhesive. In case of burns from hot adhesive, immediately flush skin with cold water and cover with clean dressing, do not remove adhesive. Have burn treated by a physician. Full safety data sheet available upon request.
4. Inert adhesive at room temperature.

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